

ORDINANCE 12-38

AN ORDINANCE UPDATING THE POLICIES, PROCEDURES AND FEES NECESSARY FOR THE WESTFIELD PARKS DEPARTMENT

WHEREAS, The City of Westfield, (“City”) is a duly formed municipal corporation within the State of Indiana, governed by its duly elected Mayor and Common Council (“Council”); and,

WHEREAS, The City has the duty and responsibility to maintain and operate the Westfield Parks Department for the benefit of the public; and,

WHEREAS, it is the duty and the responsibility of the Council to consider and adopt legislation outlining the policies, procedures and fees necessary for the fiscally responsible, orderly and efficient operation of the facilities under the direction of the Westfield Parks Department; and,

NOW, THEREFORE, BE IT ORDAINED by the Westfield City Council meeting in session as follows:

Section 1. That upon review of the schedule of policies, forms and fees, attached hereto as Exhibit “A”, in several parts, incorporated herein, the Council finds that the same are justified, reasonable and necessary for the responsible operation of the Westfield Parks Department and facilities.

Section 2. That the Westfield Parks Director is hereby authorized to implement the attached policies, forms to charge and collect the fees as adopted. All changes shall be implemented no sooner than January 1, 2013.

Section 3. This Ordinance shall be in full force and effect in accordance with Indiana law, upon the passage of any applicable waiting periods, all as provided by the laws of the State of Indiana. All ordinances or parts thereof that are in conflict herewith are hereby ordered repealed. All acts undertaken to develop this Ordinance are hereby ratified.

ALL OF WHICH IS ORDAINED THIS _____ DAY OF _____ 2012.

WESTFIELD CITY COUNCIL

Voting For

Voting Against

Abstain

Jim Ake

Jim Ake

Jim Ake

John Dippel

John Dippel

John Dippel

Steven Hoover

Steven Hoover

Steven Hoover

Robert L. Horkay

Robert L. Horkay

Robert L. Horkay

Robert J. Smith

Robert J. Smith

Robert J. Smith

Cindy Spoljaric

Cindy Spoljaric

Cindy Spoljaric

Robert W. Stokes

Robert W. Stokes

Robert W. Stokes

ATTEST:

Cindy Gossard, Clerk Treasurer

I hereby certify that ORDINANCE 12-38 was delivered to the Mayor of Westfield

on the _____ day of _____, 2012, at _____ m.

Cindy Gossard, Clerk-Treasurer

I hereby APPROVE ORDINANCE 12-38

I hereby VETO ORDINANCE 12-38

this _____ day of _____, 2012.

this _____ day of _____, 2012.

J. Andrew Cook, Mayor

J. Andrew Cook, Mayor

This document prepared by
Brian J. Zaiger, Esq.
KRIEG DEVAULT, LLP
(317) 238-6266

**Exhibit A (PK 05-11)
Fee Schedule 2013**

Westfield Parks & Recreation

SHELTER RENTALS

All Park shelters are \$45.00 for 4 hours

FARM LAND RENTAL – OSBORNE PARK

\$150/acre for 20 acres

**SPECIAL EVENT RENTAL FEES – Accessed per event see Special Event Policy
PK 01-11**

**PROGRAMMING FEES – Fees will range from \$5 to \$200 depending on the
operating costs and processing fees associated with the program**

Revised 12-10-12

**SECTION 02505 - STANDARDS OF PERIMETER TRAILS,
SIDEWALKS, EQUESTRIAN TRAILS, AND MULTI-USE TRAILS, AND SIDEWALKS**

PART 1 - GENERAL

1.1 Trail and sidewalk construction shall conform to the following requirements and standards:

A. Definitions:

1. Designated Trailhead – A designated point of access that may contain a parking area, information kiosks, restrooms, water fountains, and may be reached by vehicular or pedestrian access.
2. Multi-Use Trail – A facility that is physically separated from motorized vehicular traffic with an open space or barrier and either within the highway right of way or within an independent right of way. ~~The following trails should be part of the Westfield Parks & Recreation system and are called out in the Alternative Transportation section of the current Thoroughfare Plan: Monon, Midland Trace, Cool Creek, Grand Junction, Anna Kendall, Little Eagle Creek, Monon/Midland Loop, and Natalie Wheeler.~~ A multi-use trail can be used by pedestrians, skaters, wheelchair users, joggers, bicyclists or other non-motorized users.
 - a. ~~Trails may assume a different form as conditions warrant. Where it parallels a roadway it may be 2 direction or multilane. Future bike lanes will be a single lane on each side of the roadway.~~
3. Sidewalk – The portion of a local street right of way designed for preferential or exclusive use by pedestrians.
4. Perimeter Trail – ~~An 8' wide~~ route designed, designated, or constructed within or outside street right of way for recreational use or to provide an alternative to vehicular routes within a transportation system. These trails will parallel ~~city~~ streets designated in the current Thoroughfare Plan and provide connection to the multi-use trail system.
- 4.5. Equestrian Trail – ~~A route designed, designated, or constructed for the recreational use of equestrian riders as identified in the Trail Master Plan.~~

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B. Perimeter Trails, Multi-Use Trails, Equestrian Trails & Sidewalks:

1. Perimeter Trails shall be constructed to a minimum width of eight (8) feet. The trail shall be constructed of asphalt. The maximum design speed for these perimeter trails is 20 mph. These trails shall be constructed using the following as minimum requirements:

- a. Four (4) inches INDOT Type D, Compacted Aggregate ~~Size~~ No. 53, ~~stone~~ base
 - b. Three (3) inches Bituminous Binder No. 8 or 9HMA, Type A, Intermediate, 9.5mm
 - c. One (1) inch Bituminous Surface No. 11HMA, Type A, Surface, 9.5mm
 - d. See Figure PT-01 Typical Cross Sections – Perimeter Trail in Part 2, Section 2.1
2. All sidewalks shall be placed on properly prepared and compacted subgrades. These sidewalks shall be constructed using the following as minimum requirements:
- a. Sidewalks shall be at least six (6) inches thick at drives and at least four (4) inches thick at all other locations within the subdivision.
 - b. Sidewalks shall be at least ~~six-five (56)~~ feet wide at all locations.
 - c. Sidewalks shall be concrete in accordance with Section 02500.
 - d. Expansion joints shall be located every 48 feet and control joints every ~~six-five (65)~~ feet minimum.
 - e. See Figure PT-02 Typical Cross Sections – Sidewalk in Part 2, Section 2.1
3. Curb ramps shall comply with the most current INDOT and ADA requirements.
4. Multi-use trails shall be constructed to a minimum width of twelve (12) feet with a two (2) foot stone shoulder. ~~They shall be constructed of asphalt and the shoulders shall be constructed of 3" crushed limestone. The maximum design speed for these multi-use trails is 20mph.~~ These trails shall be constructed using the following as a minimum requirements:
- a. Sixteen (16) feet wide, Four (4) inches thick INDOT Type D, Compacted Aggregate ~~Size~~ No. 53, ~~stone~~ base
 - b. Twelve (12) feet wide, Three (3) inches Bituminous Binder No. 8 or 9HMA, Type A, Intermediate, 9.5mm
 - c. Twelve (12) feet wide, One (1) inch Bituminous Surface No. 11HMA, Type A, Surface, 9.5mm
 - d. Two (2) feet wide, Four (4) inches thick INDOT Type D, Compacted Aggregate unwashed No. 12 stone shoulder, level with asphalt surface
 - e. See Figure PT-03 Typical Cross Sections – Multi-Use Trail in Part 2, Section 2.1
 - f. See Figure PT-04 Typical Cross Sections – Multi-Use Trail Adjacent to Equestrian Trail in Part 2, Section 2.1 ~~for Trail Cross Section Adjacent to Equestrian Trail~~

- g. See Figure PT-05 Typical Cross Sections – Multi-Use Trail Adjacent to Equestrian Trail with Railing in Part 2, Section 2.1 ~~for Trail Cross Section Adjacent to Equestrian Trail with Railing~~

5. Equestrian trails shall be cleared of vegetation to a minimum width of eight (8) feet and ten (10) feet high. These trails shall be constructed using the following as a minimum requirements:

- a. On center, three (3) foot surface of eight (8) inches INDOT Type D, Compacted Aggregate No. 53
- b. See Figure PT-04 Typical Cross Sections – Multi-Use Trail Adjacent to Equestrian Trail in Part 2, Section 2.1
- c. See Figure PT-05 Typical Cross Sections – Multi-Use Trail Adjacent to Equestrian Trail with Railing in Part 2, Section 2.1

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~~5-6.~~ All perimeter trails, or multi-use trails and sidewalks shall be placed on properly prepared and compacted subgrades. Materials shall be furnished and installed in accordance with Section 02500 and INDOT Standard Specifications.

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7. Where perimeter trails, sidewalks and/or multi-use trails cross intersect major streets designated in the current Thoroughfare Plan, intersections within or adjacent to a subdivision, necessary the streets traffic must have signage and traffic control devices that meet current MUTCD standards and shall be installed at the developer's expense, such as painted crosswalks and signs shall be installed at the subdivision's expense at the discretion of the Westfield City Council or the Westfield Public Works Director or designee. When required, coordination and permitting with INDOT is also at the expense of the developer.

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~~6-8.~~ The perimeter trails, equestrian trails, sidewalks or multi-use trails shall intersect the road at a 90 degree angle, where possible, but may not be less than 45 degrees.

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~~The trail and multi-use trail width should be increased at the intersection approach to reduce user conflicts.~~

7. Clear sight lines should be provided for both the motorist and the trail user. See specifications on Figure PT-06 Trail/Road Intersection Sight Distance, located in Part 2, Section 2.1 ~~Signs, both on the road and the trail, should indicate whether the motorist or trail user has the right of way.~~

~~8-9.~~

9. Curb ramps with detectable warning devices are required to alert a trail user with vision impairments of the street closing.

10. If not located within public rights-of-way, an easement of at least ten (10) feet in width shall be provided for sidewalks and perimeter trails.

C. Plans:

1. Construction plans for improvements to be installed shall be furnished in accordance with the specifications of the ~~Westfield Department of Public Works~~City of Westfield and/or, when appropriate, to the Hamilton County Highway Department. Such plans must receive all appropriate approvals before improvements are installed. Upon construction completion of multi-use trail, ~~sidewalk, and perimeter~~ trail, and equestrian trail improvements, as-built plans should be submitted on CD to the ~~Westfield Department of Public Works~~City of Westfield GIS Coordinator after the ~~WPWD-City of Westfield~~ Inspector's punchlist has been completed, and when appropriate, to the proper governing body of Hamilton County.

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2. All construction plans shall include the following:

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- a. Inspection - Prior to starting any construction, arrangements shall be made for inspection of work to ensure compliance with plans and specifications approved by the ~~Westfield Department of Public Works~~City of Westfield or, when appropriate, the Hamilton County Highway Department.
- b. All construction must be approved by the ~~Westfield Public Works Director~~Development Construction Superintendent, or duly authorized representative. ~~And~~ notice of construction must be given to the ~~Westfield Public Works Director~~Development Construction Superintendent, or duly authorized representative, 48 hours prior to beginning work.

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- D. Allowable Modifications - Where unusual or exceptional factors or conditions exist, the ~~Westfield Department of Public Works~~City of Westfield may allow minor modifications of any provision of this Section. When such modifications are allowed, a detailed written statement of the reasons for such modifications shall be attached to all copies of construction plans.

E. Drainage:

1. ~~The recommended maximum pavement~~All trails must have a 2% cross slope ~~of 2% adequately provides for drainage. Sloping in one direction instead of crowning is preferred and simplifies the drainage and surface construction.~~ A smooth surface is essential to prevent water ponding or ice formation.
2. Where a multi-use trail is constructed on the side of a hill, a ~~ditch-swale or other storm water collection system~~ of ~~suitable~~ approved dimensions

~~should~~must be placed on the uphill side to ~~interecept~~collect the hillside drainage. Such ~~ditch~~swale ~~must~~ be designed so that an undue obstacle cannot interfere with ~~bicyele traffic~~trail use. Where necessary, a catch basin with drains should be provided to carry the ~~interecepted~~collected water under the trail. Drainage grates ~~or manhole covers~~ ~~should~~must be located outside the trail. ~~Each~~All drainage-structure grates ~~must be designed for all wheeled traffic~~should have openings sufficiently narrow and short to prevent bicyele or wheelchair tires from dropping into it regardless of the direction of travel. ~~To assist in preventing erosion in the area adjacent to the trail, the design should include considerations for preserving the natural ground cover. Seeding, mulching, or sodding of adjacent slopes, swales, or other erodible areas should be shown on the plans.~~

3. The minimum diameter of a culvert which conveys flow under a multi-use trail is 15 inches. Each culvert should be designed to pass a minimum 2-year event.

F. Bridge Structure Waterway Crossings:

1. Permitting - A structure crossing a ~~stream~~waterway is required to obtain all federal, state, county, and local permits and approvals with a drainage area of at least 1 square mile is considered a bridge, as an IDNR Construction in a Floodway Permit will be required. A bridge should be designed to pass a minimum 10-year event through the structure.
2. ~~A trail crossing a stream should be designed so as not to create additional backwater for a 100-year event. A hydraulics model which satisfies the Westfield requirements will be required for the existing and proposed conditions. The trail crossing should be designed to prevent erosion and seour.~~

~~Proper approval must be obtained from the Hamilton County Surveyor's Office.~~

3. ~~Clear Width is to be as wide as the widest approach trail width plus the minimum 2-foot wide clear areas.~~

4.2. Allowable bridge decking products include:

- a. Structural concrete slab for multi-use trails
- b. ~~Simulated~~City of Westfield approved treated wood products or concrete for perimeter trails.
- b.c. Alternatives must be sent to the ~~Public Works and~~Westfield Parks & Recreation Department for evaluation. These alternatives must also be accompanied by a data sheet, provided by the manufacturer, stating that the product is designed for the proposed use.

3. All bridges on multi-use trails shall be designed to structurally support an EMS apparatus 10,000 pounds.

5.4. All bridge designs must be reviewed by a professionally licensed structural engineer selected by the City of Westfield, at the expense of the developer.

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G. Railings:

1. Trail Railing

- a. Design of railings is based on specifications located in Part 2, Section 2.1, Figure PT-07 Perimeter and Multi-Use Trail Wood Railing Details.
- b. All trail railings shall be 54 inches in height.
- c. Design loading shall be W=50 pounds per linear foot transversely and vertically, acting simultaneously on each rail.
- d. Any opening in horizontal railing elements shall not allow a 6-inch diameter sphere to pass through.
 - i. ~~Below 27 inches shall not allow a 6 inch diameter sphere to pass through~~
 - ii. ~~Above 27 inches shall not allow a 6 inch diameter sphere to pass through~~

2. Equestrian Railing

- a. Design of railing is based on specifications located in Part 2, Section 2.1, Figure PT-08 Equestrian Wood Railing Details.
- b. All equestrian trail railings shall be 45 inches in height.
- c. Design loading shall be W=50 pounds per linear foot transversely and vertically, acting simultaneously on each rail.
- d. Any opening in horizontal railing elements shall not allow a 6-inch diameter sphere to pass through.
 - i. ~~Below 27 inches shall not allow a 6 inch diameter sphere to pass through~~
 - ii. ~~Above 27 inches shall not allow a 6 inch diameter sphere to pass through~~

H. Bollards or gates should be used on a case by case basis. Location of bollards or gates must be approved by the Westfield Parks & Recreation Department.

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H.I. Fiber Optic:

1. The developer shall provide and dedicate to Westfield, at no cost to Westfield, easements along all trails, in locations mutually determined by the Developer and Westfield for the installation of fiber optic pipe or

conduit and fiber optic cable, as well as maintenance and operation of the Fiber Optic Network.

2. The Developer shall, at its sole cost and expense, be responsible for the installation of conduit within the fiber easements, but shall not be responsible for the installation of any cable.

~~I. Design Speed: the minimum design speed for these trails is 20 mph.~~

J. Multi-Use Trail Signage:

- ~~1. Trail identification and informational signage and sign specifications are called out in Part 2, Sections 2.1 and Sections 2.2.~~

- ~~a. Anna Kendall Trail Signage Details: AK-01 to AK-04, Anna Kendall Trail Signage Specifications:~~
- ~~b. Cool Creek Trail, CC-01 to CC-04~~
- ~~c. Midland Trace Trail, MT-01 to MT-06~~
- ~~d. Monon Trail, MO-01 to MO-05~~
- ~~e. Natalie Wheeler Trail, NW-01 to NW-04~~

- ~~1.~~
2. Regulatory signage along multi-use trails should comply with MUTCD standards as listed below:

- a. "Stop" (R1-1) at 10 feet from edge of street
- b. "No Motor Vehicles" (R5-3) with R1-1
- c. "Cross Traffic Does Not Stop (W4-4P) with R1-1
- d. "Stop Ahead" (W3-1) 150 feet from "Stop" (R1-1) sign
- e. Warning Signs (i.e. curve ahead) 100 feet from hazardous condition
- f. "Pavement Ends" 150 feet from end of trail

~~3. Road crossing pavement markings shall adhere to the most current MUTCD Standards~~

~~4. State highway crossing pavement markings and signage~~

- ~~a. Case by case basis~~
- ~~b. MUTCD~~
- ~~c. Acceptable gaps~~

~~K. Must be coordinated with INBollards or gates should be used on a case by case basis. Location of bollards or gates must be approved by the Parks Director.~~

~~L.K. Multi-use Trail access points must be approved by the Westfield Parks Director & Recreation Department, as outlined in Policy PK 06-11, per Ordinance 11-22 and approved by Westfield City Council on September 12, 2011.~~

PART 2 – DETAILS AND SPECIFICATIONS

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2.1 Detail Figures

PT-01	Typical Cross Sections – 8' <u>Perimeter</u> Trail
PT-02	Typical Cross Sections – Sidewalks
PT-03	Typical Cross Sections – Multi-Use Trails
PT-04	Typical Cross Sections – <u>Multi-Use Trail</u> Adjacent to Equestrian Trail
PT-05	Typical Cross Sections – <u>Multi-Use Trail</u> Adjacent to Equestrian Trail with Railing
PT-06	<u>Line of Sight Specifications</u> <u>Trail/Road Intersection Sight Distance</u>
PT-07	<u>Perimeter and Multi-Use Trail</u> Wood Railing Details
PT-08	Equestrian Wood Railing Details
AK-1 to AK-4	Anna Kendall Trail Sign Details
CC-1 to CC-4	Cook Creek Trail Sign Details
MT-1 to MT-6	Midland Trace Trail Sign Details
MO-1 to MO-5	Monon Trail Sign Details
NW-1 to NW-4	Natalie Wheeler Trail Sign Details

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2.2 Appendices - Signage Specifications

Appendix A	Anna Kendall Trail Sign Specifications
Appendix B	Cool Creek Trail Sign Specifications
Appendix C	Midland Trace Trail Sign Specifications
Appendix D	Monon Trail Sign Specifications
Appendix E	Natalie Wheeler Trail Sign Specifications

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END OF SECTION 02502

Policy: PK 04-11

Policy Title: Westfield Geo-Caching Policy

Policy Purpose: Set forth rules and regulations regarding geo-caching in Westfield park facilities

Implementation Date: March 1, 2011

Revision Date: ~~NA~~ January 1, 2013

**City of Westfield
Parks and Recreation Department
Geo-caching Policy**

The purpose of this policy is to provide rules, regulations and guidance for the management of geo-caching activities on Westfield Parks and Recreation Department properties. Any person who participates is subject to all Westfield Parks and Recreation rules and regulations. Geo-caching is an activity that requires a permit so that the Westfield Parks and Recreation Department staff can monitor the activity within park boundaries and prevent any detrimental impact on the parks themselves, as well as protect the safety of all park visitors.

Definitions:

1. Cache – term refers to a container that is used in association with the activity of geo-caching. The object usually contains such items as a logbook, pen, pencil, map and/ or trinkets.
2. Department – refers to Westfield Parks and Recreation Department.
3. Property – refers to any property owned, leased, or maintained by the Westfield Parks and Recreation Department.
4. Geo-caching – refers to a game pursued by global positioning systems (GPS) users. An individual or organization places a cache and shares its location on the internet. A participant in the game applies for GPS coordinates to locate the target cache or caches. When located, the participant records the find on the designated website such as www.geocaching.com. The game may provide that objects are traded at the cache.
5. Multi-cache – refers to containers that are located from the information received in another cache.
- ~~6. Virtual cache – refers to the target for geo-caching for which there is no container. The location itself is the cache. Objects are not traded at the site of a virtual cache.~~

Permit Application:

1. A person wishing to place a cache within one of the Department's properties must obtain an "official geo-caching permit" before placing the cache. A cache which has been placed without obtaining a permit from the Department will be removed and may be returned to the owner. If the owner cannot be reached, the cache will then be disposed of by the Department staff within one month of notification.
2. The Department Administration is authorized to issue, condition, or deny any permit application.

3. The application (Exhibit A) may be obtained from and returned to the Department's Administration Office- (~~Exhibit A~~ 2728 East 171st Street). Applications will be reviewed within one week of receipt.
4. Permits are good for two (2) years from issuing date.

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General Prohibitions, Limitations and Requirements:

The following applies to the placement of any cache and/or any geo-caching activity:

1. A person must not violate any Department rules or regulations, or any local, state or federal laws.
2. Areas within parks that contain any of the following may not qualify for placement of geo-caches :
 - Areas containing environmentally sensitive ecosystems
 - Areas containing historical sites
 - Areas containing endangered flora or fauna
3. A person must not dig or otherwise disrupt the ground when placing a cache.
- ~~4. A person is allowed to apply for one permit, which will allow them to place one cache with the Department's properties.~~
- ~~5.4~~ The Department is not required to approve any multi-cache, but may approve a multi-cache with no more than four (4) stops within the multi-cache.
- ~~6.5~~ The maximum number of caches per Westfield Parks and Recreation Department properties is up to the discretion of the Department's Administration.
- ~~7.6~~ The person who holds the permit must inspect the cache at least once every six months to ensure that it meets all permit criteria. During the inspection, the permit holder must remove any inappropriate items. These include, but are not limited to; food, alcohol, firearms, drugs, items not suitable for minors, or other items which may pose a danger to people or wildlife.
- ~~8.7~~ An official geo-caching permit expires two (2) years after the date of issue.

Permit Standards:

The Department Administration shall exercise reasonable discretion in determining whether to issue, condition, or deny an application for an official geo-caching permit. In the exercise of discretion, the following factors and principles apply:

1. A cache cannot be approved for placement in any sensitive archaeological, historical or ecological area.
2. Any scheduled resource management activity, such as prescribed burns and species eradication, shall be considered in evaluating a permit application.
3. A cache cannot be approved for placement in an area that could reasonably cause danger to a geo-caching participant or to any other person who visits a Department property.
4. The Department Administration ~~has the right to~~ requires a person requesting an official geo-caching permit to provide a photograph of the cache and; the exact site and coordinates where the cache is placed, ~~or both~~.
5. Any factor reasonably consistent with proper use and protection of the particular site.
- ~~6. A permit is required for a virtual cache so that the Department can monitor the area for detrimental impact and prevent against any virtual cache being placed within sensitive park areas.~~

Permit Suspension or Revocation and Site Reclamation:

1. The Department may suspend or revoke a geo-caching permit if a term is violated, or if the location of the cache is found to pose a threat to the safety of park visitors or the surrounding environment. The Department shall make every attempt to notify the permit holder of the action, as well as any designated websites.
2. Upon the suspension, revocation or termination of a geo-caching permit, the permit holder is responsible for the removal of the cache, for the site restoration, and for any associated expenses.
3. The reason for the Department's actions shall be recorded on the permit. If the permit holder elects to relocate the cache, a new permit will need to be reviewed and issued.

PERMIT FOR GEO-CACHING
WESTFIELD PARKS AND RECREATION DEPARTMENT

(Exhibit A – PK 04-11)

Cache Owner/Maintenance Information:

Name: _____ Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ E-mail: _____

Cache Name as Listed on www.geocaching.com: _____

Physical Description of Container: _____

Official GeoC-Cache Label Water Resistant Attached Photo to Permit/Application

GPS Coordinates: Latitude: _____ Longitude: _____

Physical Description of the Area where the Cache is Located:

I understand that caches not in compliance with terms of this permit will be removed from the property and this permit will be revoked for failure to comply.

I understand that I am to monitor this cache at least once every six months and maintain it to comply with all rules and regulations set forth in the GeoC-Caching Policy.

I certify that all the above information is correct to the best of my knowledge. I understand that I must know and follow all Westfield Parks and Recreation rules and regulations as well as the geocaching policy (attached to this application). I agree to remove this cache or apply for a new permit within two (2) years of the permit approval date.

Applicant Signature

Date

Office Use Only:

Date Received: _____ Review Date _____ Reviewed By _____ Notification Date _____

Approved/Denied _____ Reason for Denial _____

Permit Number _____ Permit Expiration Date _____

Policy PK 06-11

Policy Title: Trail Access Permit

Policy Purpose: Set Forth Procedure to Obtain Trail Access Permit

Implementation Date: September 12, 2011

Revision Date: ~~NA~~ January 1, 2013

CITY OF WESTFIELD
PARKS AND RECREATION DEPARTMENT
Trail Access Permit Policy

1. PURPOSE

- A. The trails throughout Westfield are for the enjoyment of the residents and visitors to our community. The Westfield Parks and Recreation Department must assure safe access to the trails for public and private use.
- B. The City of Westfield is responsible for maintaining all named trails and linear parks specified in the Alternative Transportation Plan in the Westfield Thoroughfare Plan and in Trail Overlay Zoning Ordinance, and it is therefore necessary to set minimum standards for construction of all improvements for which the City will be responsible in order to avoid assuming unnecessary maintenance cost and inconvenience to the citizens and businesses of the City of Westfield.
- C. In order to not compromise the drainage along trails, the Director of Parks and Recreation may require an engineered drainage plan to be submitted from a licensed engineering firm. Such a plan will be at the cost of the applicant.
- D. All improvements intended for public or private use to be constructed on the City's named trail corridors as a privately maintained improvement must be approved by the Director of Parks and Recreation using this permitting process
- E. Anyone wishing to have access to the trails where a public access point has not been provided by the City must complete the Trail Access Permit Process.

2. AUTHORITY

- A. The Westfield Parks and Recreation Department has the legal responsibility for managing all City Parks and Trail property. All trail access permits shall be in accordance with this ordinance and subject to the authority of the Director of Westfield Parks and Recreation.
- B. The Westfield City Council shall hereby grant the Director of Parks and Recreation the authority to approve trail access permits, as an agent of the City.
- C. The Director shall have the right to appoint a deputy to perform the duties of the trail access permit administration.

3. TRAIL ACCESS PERMIT PROCEDURES

A. Application Process

- a. All trail access permit applications shall be in written form using the Trail Access Permit Application (exhibit A). Applications should be submitted to the Westfield Parks & Recreation Administrative Office (2728 East 171st Street).
- b. The permit must be submitted and approved before any work can be done on City property. No work will be allowed prior to the review. A penalty fee of up to \$500 will be enforced by the City with a stop work order for unauthorized work performed before permits are approved.
- ~~c. Upon receipt of the application to the Westfield Park and Recreation Administrative Office (2728 E. 171st Street), the application will be dated and time stamped.~~
- ~~d. c.~~ Upon review of the application, if it is found to be incomplete or if an engineering plan is necessary, the applicant will be notified of what documentation is required to process the application.
- ~~e. d.~~ If an engineering plan is required, the application cannot be considered until the engineering plan is received.
- ~~f. Westfield Park and Recreation Administration Office shall take up to ten working days to review the engineering plan.~~
- ~~g. The application must include a maintenance plan~~
- ~~h. The applicant shall be notified after a review period of up to ten working days of the approval or denial.~~
- ~~i. Any changes to the original permitted trail access must go back through the permitting process.~~

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B. Trail Access Application Detail Requirements

- a. An 11"x17" drawing of the proposed access point must be included with the application.
- b. Site photographs showing the location of the proposed access point and the proximity to the trail must be provided.
- c. Specifications and/or descriptions of the materials to be used must be included with the application
- d. A Maintenance Plan specific to the improvement planned at the trail access location should be included. Areas of maintenance that should be included but are not limited to are landscaping, hardscape, and drainage.
- ~~e. e.~~ Proof of property insurance

C. Notification

- a. The ~~permittee applicant~~ shall be notified after a review period of the approval or denial of said plan.
- b. All written notification will be done by e-mail or by US Mail.
- c. Approved permits will be available for pick up at the Parks and Recreation Administration Office mailed to the applicant once all requirements are met and a written notification has been provided to the applicant.
- ~~e. Upon approval, a boundary sign will be placed at the trail access location with the permit number and expiration date indicated.~~

~~D.d. Upon Approval other requirements include:~~

- ~~a. Maintenance Agreement: the applicant must provide a signed maintenance agreement for the improvements to City property. Each Access Permit Maintenance Agreement will be specific to the improvement planned at that location. Areas of maintenance that should be included but are not limited to are:
 - ~~i. Landscaping maintenance~~
 - ~~ii. Hard scape maintenance~~
 - ~~iii. Drainage maintenance~~~~
- ~~b. Certificate of Insurance: a certificate of liability insurance will be required naming the City of Westfield as an additional insured in the amount of \$100,000 property damage per occurrence and \$1,000,000 bodily injury per occurrence.~~

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~~E.D.~~ Permit Life

- a. A permit is good for two years for the original applicant only.
- b. If the property is sold, a new application must be ~~requested~~ submitted by the new owners.
- c. Any changes to the original access permit design must be resubmitted for approval before the changes can be made.
- d. The permit can be automatically renewed by the original applicant if the following stipulations are met:
 - i. Access has been maintained per ~~approved~~ maintenance ~~agreement~~ plan
 - ii. ~~Certificate-Proof~~ of Insurance is current and updated for additional year
 - iii. ~~No~~ problems have arisen as a result of the permit being granted

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~~F.~~ ~~E.~~ Permit Cancellation Procedures

- a. If at any time the requirements of the original permit are not being met, the Director of Parks and Recreation can revoke the permit and remove all improvements within the trail corridor.
- b. Any cost incurred by such removal will be charged to the ~~permittee~~ property owner, and fees may be ~~accessed~~ assessed.

~~G.F.~~ Penalties

- a. Any person, firm, corporation or any other entity that shall be in violation of this ordinance, or any amendment thereto, shall receive a fine of not more than \$500. Each day an entry or access is made without the issuance of a proper permit shall constitute a separate offence and each separate offense shall subject the violator to a separate fine.
- b. A person, firm, corporation or any other entity that fails to maintain the approved improvement in accordance with the access permit shall be liable to the City of Westfield in a civil action for damages in an amount equal to the cost of court cost, litigation expenses and attorney's fee incurred by the City.

~~H.G.~~ Severalty

If any portion, section, subsection, sentence, clause or phrase of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent

provision and such holding shall not affect the validity of the remaining portion of this Ordinance, it being the intent of the City of Westfield Parks and Recreation Department that this Ordinance shall stand, notwithstanding the invalidity of any portion, section subsection, clause or phrase, hereof.

**PERMIT FOR TRAIL ACCESS
WESTFIELD PARKS AND RECREATION DEPARTMENT**

ALL REQUESTS ARE TO BE SUBMITTED PRIOR TO WORK BEGINNING

(Exhibit A-Policy PK 06-11)

TODAY'S DATE: _____ NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE NUMBER: _____ EMAIL: _____

Application Checklist:

- 11"x17" drawing of proposed site
- Site photographs showing the location of the proposed access point
- Specifications and/or descriptions of the materials to be used
- Maintenance Plan
- Proof of Insurance

A Certificate of Liability Insurance in the amount of \$100,000 property damage per occurrence and \$1,000,000 bodily injury per occurrence naming the City of Westfield as additional insured is required upon approval. Certificate must be on file with the City prior to the work beginning. Applicant further indemnifies the City for all liability resulting from any access granted.

Upon approval, a signed maintenance agreement for the improvements to City property must be provided. Each Access Permit Maintenance Agreement will be specific to the improvement planned at that location. Areas of maintenance that should be included but are not limited to are: landscape, hard scape, drainage.

APPLICANT SIGNATURE

DATE

OFFICE USE ONLY	
DATE RECEIVED: _____	TIME RECEIVED: _____ REVIEW DATE: _____ REVIEWED BY: _____
ENGINEERING PLAN REQUIRED Y/N: _____	DATE RECEIVED: _____
APPROVED/DENIED: _____	REASON FOR DENIAL: _____
PERMIT NUMBER: _____	PERMIT EXPIRATION DATE: _____
NOTIFICATION DATE: _____	CERTIFICATE OF INSURANCE RECEIVED: _____

Policy: PK 01-11
Policy Title: Westfield Parks & Recreation Special Event Policy
Policy Purpose: Establish Non-Park Special Event Protocol
Implementation Date: March 1, 2011
Revision Date: ~~January 23, 2012~~ January 1, 2013

**CITY OF WESTFIELD
PARKS AND RECREATION DEPARTMENT
NON-CITY SPONSORED SPECIAL EVENT POLICY**

A. Purpose and Intent

1. The Westfield Parks and Recreation Department assists in bringing group events to Westfield that contribute to the community's quality of life. In the continuing efforts by the City to provide the public with quality recreational choices in well maintained, clean, and safe parks, Westfield has developed the following standard operating procedures to review requests for Special Events to be held in the City Parks.
2. Park facilities may be made available for non park related uses consistent with the policies herein and subject to availability.

B. Definition

1. Special Event.

"Special Event" means a group activity including, but not limited to, a performance, meeting, assembly, contest, exhibit, ceremony, parade, athletic competition, reading, or picnic involving more people than an individual shelter rental could accommodate or a group activity in which a specific park space is requested to be reserved. Special Events are not defined as casual park use by visitors or tourists, or individual shelter rental.

C. Uses

1. Priority shall be given to groups and individuals whose request reflects significant community interest and general value. The Westfield Parks Director or his/her designee will review and balance each request. The Westfield Parks Director or designee reserves the right to refuse rental/use.
2. Applicants wishing to use the park facilities shall meet requirements as outlined in the Eligible User Groups as developed by the Westfield Parks and Recreation Department.

C. Consideration

1. Scheduling priority will be given according to the order indicated below with Group 1 having the first priority and Group 4 having the last. Scheduling will be on a first come, — first served basis within a group. A Group 1 organization may bump a lower priority group with a one month or greater notification.
2. In order to recover some of ~~our utility~~the costs associated with special events, a Special Event ~~Utility~~Public Safety and Maintenance Fees may be charged.
3. The Westfield Parks Director reserves the right to waive rental fees.
4. Facilities shall be available for only non profit uses. Any exceptions shall be at the sole discretion of the Westfield Parks Director or designee and shall be evaluated by the benefit to the public.
5. In an emergency, the Parks Department shall cooperate with recognized state or federal agencies in the use of all park facilities without charge, superceding all other scheduled events and uses.
6. Special Events such as weddings or funerals shall be scheduled under exceptional conditions and as schedules allow.
7. City employees wishing to host a special event other than a shelter rental for individual use will adhere to this same policy.

~~D. Process~~

- ~~1. Applicants wishing to use a park facility shall complete a Permit for Special Event Use of Park Facility submit it to the Westfield Parks and Recreation Administrative Office. Applicants shall comply with Rules of Park Operations set forth in — Ordinance 10-28 PK-02-11. Rental of facilities will be made to responsible adults representing a group or organization. A responsible adult is defined as a person at least 21 years of age who is financially responsible as defined in G. 1 below. — All permits may be subject to cancellation.~~

F. Eligible User Groups

Group 1: Direct City Related Activities	No Rental Fee
E.g. City Department meetings, classes, special events, or activities	No Maintenance Fee No Public Safety Fee
Group 2: Joint Sponsored Events	No Rental Fee
E.g. DWA, Washington Township Parks Department, Hamilton County Parks Department, Schools and Education Foundation, Library	No Maintenance Fee No Public Safety Fee
Group 3: Civic and Service Organizations, Non-Profits	Rental Fee
E.g. Scouts, 4-H Clubs, Youth Athletics, Youth Organizations, Rotary, Lions, Kiwanis, Churches, Chamber of Commerce,	Maintenance Fee Public Safety Fee

other Community Groups	(if necessary)
Group 4: Private Businesses, Organizations, and Citizens	Rental Fee
Acceptable events will be determined by Parks & Recreation Director	Maintenance Fee
	Public Safety Fee
	(if necessary)

G. Application Procedure

1. All requests should be made in writing ~~on~~ using the **Permit for Special Event Use** form (Exhibit B) and submitted to the Westfield Parks and Recreation Administration Office at a minimum of 30 days prior to the ~~use~~ requested event date. Applications are available online at the Westfield Parks and Recreation website below; at City Service Center – Customer Service and at the Westfield Parks and Recreation Administration Office.

<http://www.westfield.in.gov/department/?fDD=6-0parks>

Field Code Changed

Please note: if a large scale event (an event with estimated 500+ people in attendance) is being proposed, you may need as much as ~~a~~ one year’s preparation.

2. The application must state the specific time and date of the event as well as all facility needs to be furnished by the City.
3. The Westfield Parks Director will determine the merits of the application and availability of the location. A copy of the signed application will be given to the Westfield Fire Department, ~~and the~~ Westfield Police Department, and the Westfield Public Works Department for their comments regarding public safety ~~fees~~ and to determine if any public safety and maintenance fees will be charged.
4. Upon approval of the special event, all rental, maintenance and public safety fees will be invoiced with the due date indicated on the invoice.
5. A refundable damage deposit of \$200 is required for all special events. If alcohol is served, the deposit increases to \$600. The damage deposit should be paid with a separate check from any rental and public safety fees. Renters agree to be responsible for any additional charges incurred or damages caused by renter’s activities.
6. Upon receipt of certificate of insurance (please see Section H), and payment of damage deposit and fees, a copy of the approved application will be returned to serve as the permit.
7. Permits granted may be subject to cancellation at any time by the Westfield Parks Director or his/her designee.

H. Insurance and ~~L~~iability

1. Any group using the Westfield City Parks for any purpose must provide a certificate of insurance showing proof of liability insurance in the amount of \$100,000 property damage per occurrence and \$1,000,000 bodily injury per occurrence naming the City of Westfield as an additional insured.
2. The requesting party shall protect and hold harmless the City of Westfield and its **elected officials, employees, staff and representatives, and each of them**, from any and all claims, suits, liabilities, damages or causes of action of any kind, provided such person was acting in the discharge of his/her duties.

I. Rules and Regulations

1. Applicants shall comply with all Rules of Park Operations set forth in – Ordinance 10-28 PK 02-11. A copy is posted on the Parks Department webpage and is available upon request.
2. Holders of permits shall confine their use strictly to the specific area approved and will not be permitted to use any other space, equipment or apparatus unless it is approved in the application.
3. The applicant and his/her organization shall be held strictly accountable for complying with the rules and regulations that govern use of the City Parks, and shall be responsible for damages, losses, or accidents, which might occur while the organization is using the site. If proper care is not exercised, the continued use of the City Parks may be denied.
4. The sponsoring organization must provide adequate supervision and must ensure visitors use only the areas approved for rental/use. The organization will also provide all necessary supporting personnel such as medical personnel, parking attendants, set up and cleanup crews. A Public Safety fee may be charged if these services are deemed necessary to be provided by the City.
5. It is the sole responsibility of the user to secure additional trash receptacles or have trash hauled away if park containers will not accommodate the needs of the event. Trash that is not disposed of properly or overfills a receptacle may result in a loss of deposit. The Westfield Parks and Recreation Administration will determine if the size of the event requires a rental of an outside dumpster. Dumpsters are only to be placed in designated areas approved by the Westfield Parks and Recreation Administration.
6. The sponsoring organization is required to provide ~~port-o-lets~~portable restrooms if the special event will have attendance of over 500 persons. The requirement is ~~4 port-o-let~~one portable restroom per 500 attendees. At least one in every ~~3~~three rented must be handicap accessible. Delivery must be at the latest date and time

possible prior to the event and removed from Park property no later than 24 hours after the event. Westfield Parks and Recreation Department is not responsible for any damage to ~~port-o-lets~~portable restrooms. ~~Port-o-lets~~Portable restrooms are to be placed only in designated areas approved by Westfield Parks and Recreation Administration. Vendors are responsible for any ~~port-o-let~~ water supply hoses.

7. Vehicles are not allowed on Park property that is not designated for parking. Deliveries or setup needs that require a vehicle to enter the park must be approved in advance by the Westfield Parks and Recreation Administration.
8. The sponsoring organization is responsible for providing information if tents are being proposed as part of the event set-up and for calling in utility locates to prevent interference with irrigation, fiber and utility infrastructures.
9. Users are encouraged to exercise Universal Precautions (Universal Precautions refers to the practice, in medicine, of avoiding contact with bodily fluids, by means of wearing medical gloves, goggles and face shields) and to have the necessary emergency first aid kits issued to their members.
10. A report of any personal injury must be submitted to the Westfield Parks and Recreation Administration Office by the person securing the permit within 24 hours after an injury.
11. Property damage must be reported immediately to the City representative on duty, and an itemized list of any property damage must be provided to the Westfield Parks and Recreation Administrative Office by the person securing the permit within 24 hours after any such damage.
12. No signs, displays, or materials may be attached, nailed or otherwise affixed to shelters, trees, buildings or existing signs.
13. For temporary signage at locations outside of the park, or road closures or blockages, the sponsoring organization must obtain an Encroachment Permit through the City of Westfield Community Development Department, which may carry an additional fee. The Encroachment Permit Application is available online at www.westfield.in.gov or at the City Service Center. Please allow ten (10) working days from receipt for approval.
14. No Park fixtures may be moved without consent of the Westfield Parks Director.
15. The use of special equipment, including but not limited to, cooking equipment, musical instruments, and public address systems and sports equipment will be reviewed per application.
16. Alcohol use is restricted and will be reviewed per application. All necessary licensing and insurance is required. If approved, the damage deposit increases from \$200 to \$600.

17. Use of the Park facilities will be terminated if the City determines the use is being diminished or compromised by the rental organization.
18. No group may monopolize more space and time than is needed to meet the needs of the approved event.
19. Failure to comply with these rules and regulation will be sufficient reason to cancel future privileges.
20. No Park Facility may be used for a special event without the presence of a City representative.

J. Fees and Charges

1. See Exhibit A.
Titled: CITY OF WESTFIELD PARKS AND RECREATION DEPARTMENT
SPECIAL EVENT FEES AND CHARGES

**EXHIBIT A
CITY OF WESTFIELD
PARKS AND RECREATION DEPARTMENT
SPECIAL EVENT FEES AND CHARGES
(PK 01-11)**

Asa Bales Park – North (205 W. Hoover Street) **\$150** for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Amenities include: three shelters, fourteen picnic tables, large permanent grill, drinking fountain, restrooms, skate park, playground, large open grass field, lots of trees, creek, paved trails and paved parking lot (twenty spaces). Asa Bales North is located across the street from Westfield High School, next to the Westfield Middle School, the Public Library and just two blocks from Freedom Trail Park.

Asa Bales Park – South (200 Camilla Court) **\$100** for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Amenities include: playground, natural amphitheater, paved trail, lots of trees, creek, paved parking lot (eighteen spaces), and ~~stone-paved~~ trail access from Union Street.

Freedom Trail Park Fields (500 Deer Walk Trace) **\$200** for up to four (4) hours, **\$20** for each additional hour. This includes use of three football fields. The fields can be rented individually for \$100 for up to four (4) hours, \$20 for each additional hour.

Freedom Trail Park Play Area (500 Deer Walk Trace) **\$150** for up to four (4) hours, **\$20** for each additional hour. Amenities include: all inclusive playground, sensory garden, paved and gravel trails, prairie establishment, and a paved parking lot.

Hadley Park (100 W. Main Street) **\$40** for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Hadley Park is a small intimate space ideal for small weddings or small gatherings. It is located in the center of downtown Westfield. Amenities include: a portico, benches, memorial brick walkway, beautiful gardens, and trees. It is adjacent to Asa Bales Park.

Quaker Park (17501 Dartown Road) **\$150** for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Amenities include: Shelters 2, 3 & 4, eighteen picnic tables, playground, splash park, basketball goals, Midland Trace Trail, which includes Born Learning Trail, drinking fountain, permanent grill, restrooms, paved parking (44 spaces), large open grass field, trees, and creek. Shelter #1 cannot be included in special event rentals.

Simon Moon Park (2710 E. 171st Street) **\$100** for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Anyone wanting

to rent the shelter and use the Council Circle Fire Pit must apply as a special event. Amenities include: Shelter with six picnic tables, additional picnic tables on top of hill, sledding hill,

Council Circle with Fire Pit, Fire Host (park staff), wood and fuel for fire, fire maintenance and extinguishing of fire, trail connection to Midland Trace Trail, 2-5~~year old~~ playground, 5-12 ~~year old~~ playground, drinking fountain, permanent grill, paved parking (eight spaces) and additional parking at the City Services Center.

Old Friends Cemetery Park (302 S. Union Street) **\$100** for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Amenities include: 1834 Historical Friends (Quaker) Cemetery in a beautiful serene setting in the heart of downtown Westfield, plaza, gazebo, Martha Doan Memorial Garden, stoned walkways, interpretive signage that shares Westfield's story, benches, drinking fountain, bike racks, adjacent to the Midland Trace Trail and Grand Junction Trail across the street.

Monon Trail - \$100 for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Amenities include: 12-foot paved asphalt trails with two-foot stone shoulders, drinking fountain, benches, Greyhound Pass Trail Head (1155 E. Greyhound Pass) with parking, bike racks and restrooms, connection to Carmel/Indy Monon Trail and the Midland Trace Trail.

Midland Trace Trail - \$100 for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Amenities include: Three sections of the trail now open (Carey Road to Union Street; Oak Ridge Road to Quaker Park and Springmill Road toward Ditch); 12-foot paved asphalt trails with two-foot stone shoulders, drinking fountains, benches, bike racks, connections to Simon Moon Park, Old Friends Cemetery Park, Grand Junction Trail/Natalie Wheeler Trail, Downtown Westfield and Quaker Park; parking available at Simon Moon Park and Quaker Park.

Grand Junction Trail - \$100 for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Amenities include: 10-foot paved asphalt/brick trail with granite shoulder, benches, landscaping and bio-swales, leisure urban feeling; connections to Midland Trace Trail, Natalie Wheeler Trail, Old Friends Cemetery Park, Union Bible College, close proximity to Hadley Park and Asa Bales Park.

Natalie Wheeler Trail - \$100 for up to four (4) hours, **\$20** for each additional hour. Based upon the number of attendees, public safety fees may be charged. Amenities include: 12-foot paved asphalt trails, connecting to Grand Junction Trail, Cool Creek Park, future Cool Creek Trail extension and Liberty Park. Parking at Liberty Park and Cool Creek Park.

NOTE: A refundable damage deposit of \$200 is required for all special events; if alcohol is served, the deposit increases to \$600.

Rental fees include: Clean up prior to event, set up of additional trash receptacles (if needed), and trash removal after the event, any necessary furniture moving and on-site staff during event.

**PERMIT FOR SPECIAL EVENT USE
WESTFIELD PARKS AND RECREATION DEPARTMENT**

ALL REQUESTS ARE TO BE SUBMITTED AT LEAST 30 DAYS PRIOR TO USE

(Exhibit B-Policy PK 01-11)

TODAY'S DATE: _____ ORGANIZATION: _____

EVENT LOCATION: _____ SPECIFIC AREA: _____

DATE(S): _____ HOURS: _____ APPROX. ATTENDANCE: _____

EVENT NAME: _____ EVENT PURPOSE: _____

Specify, in as much detail as possible, what will be required for the event. Include set up (tents, tables, chairs), technology needs, use of public address systems, power, and who is supplying and setting up this equipment. Also, include event signage. Attach a map of the event layout.

A Certificate of Liability Insurance in the amount of \$100,000 property damage per occurrence and \$1,000,000 bodily injury per occurrence naming the City of Westfield as additional insured required. Certificate is due with payment of damage deposit and fees.

A signed Permit For Special Event Use form must be on file with the Park Administration Office to confirm scheduling of your event.

REPRESENTATIVE **ALTERNATE CONTACT NAME & PHONE**

SIGNATURE OF REPRESENTATIVE **MAILING ADDRESS**

HOME PHONE **WORK PHONE** **CITY/STATE** **ZIP**

EMAIL **DATE**

FOR OFFICE USE ONLY:

DEPOSIT AMT: _____ DATE RECEIVED: _____ RENTAL FEE: _____ DATE RECEIVED: _____

PUBLIC SAFETY FEE: _____ DATE RECEIVED: _____ MAINTENANCE FEE: _____ DATE RECEIVED: _____

APPROVED/DENIED: _____

CERTIFICATE OF INSURANCE RECEIVED: _____ PERMIT NUMBER: _____

Hamilton County Master Gardeners Association

RECOMMENDED TREES FOR HAMILTON COUNTY

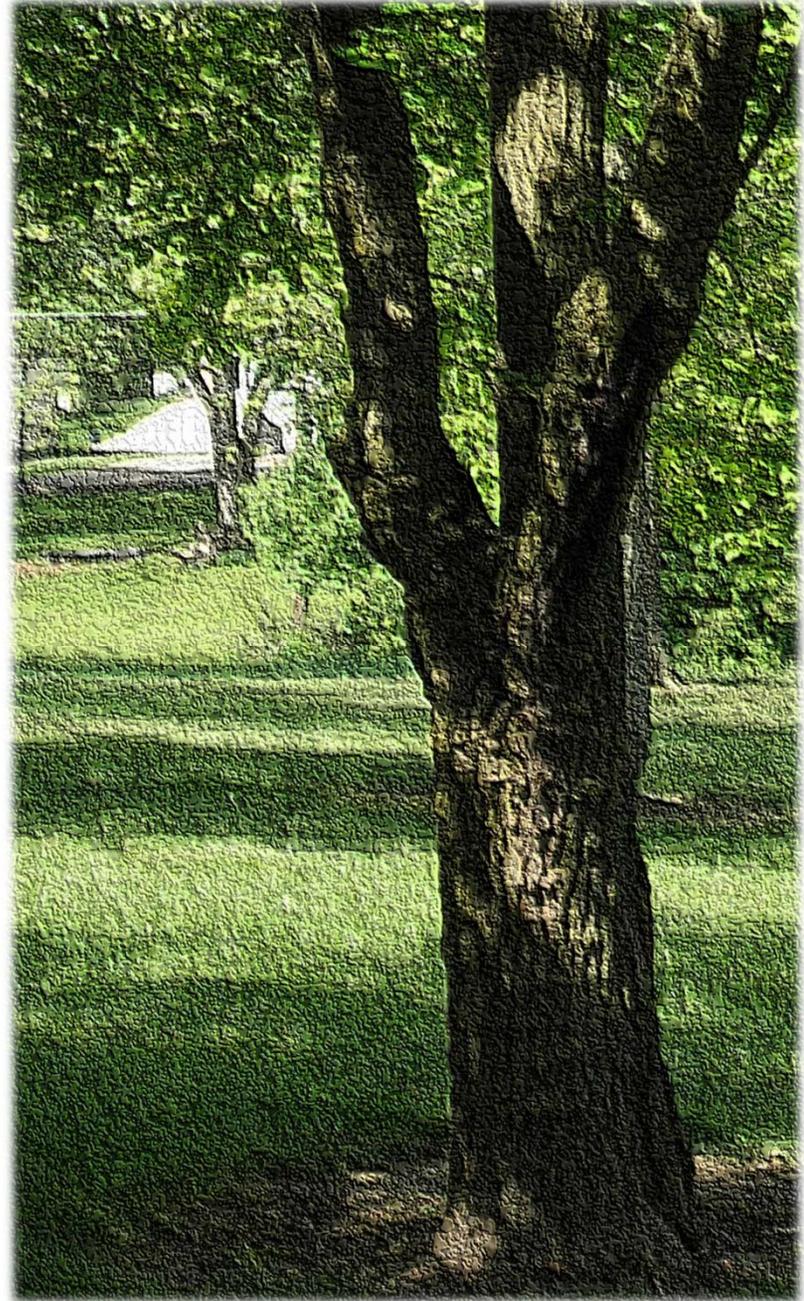
<u>Scientific Name</u>	<u>Common Name</u>	<u>Mature Height/Spread</u>	<u>Cultivars:</u>	<u>Town</u>
<u>Large Trees: Suitable for yards and tree lawns at least 8 feet wide and not under utility wires:</u>				
Acer nigrum	Black maple	75'/50'		N
Acer rubrum	Red maple	60'/40'	'Columnare', 'Red Sunset', 'October Glory'	FN
Acer saccharum	Sugar maple	75'/50'		F
Betula nigra	River birch	70'/60'		C
Celtis laevigata "All Seasons"	Sugarberry	80'/80'		C
Celtis occidentalis	Hackberry	60'/60'		CN
Cladastris kentukea	Yellowwood	50'/50'		C
Diospyros virginiana	Persimmon	60'/35'		C
Gleditsia triacanthos inermis	Thornless honeylocust	60'/50'	Imperial', 'Moraine', 'Shademaster', 'Skyline'	FCN
Gymnoclanus dioica	Kentucky coffee tree	80'/55'		C
Liquidambar styraciflua	Sweetgum	70'/45'	Rotundiloba'	F
Liriodendron tulipifera	Tuliptree	90'/50'		C
Magnolia acuminata	Cucumber tree	70'/35'		C
Quercus bicolor	Swamp white oak	60'/60'		CN
Quercus imbricaria	Shingle oak	60'/50'		FC
Quercus macrocarpa	Bur oak	80'/80'		C
Quercus muehlenbergii	Chinkapin oak	60'/70'		C
Quercus rubra	Red oak	75'/45'		FCN
Taxodium disticum	Bald cypress	70'/45'		CN
<u>Medium Trees: Suitable for yards and tree lawns at least 6 feet wide and not under utility wires:</u>				
Amelanchier arborea	Downy serviceberry	25'/25'		FN
Carpinus caroliniana	American hornbeam	30'/30'		FC
Halesia carolina	Silverbell	40'/35'		C
Nyssa sylvatica	Sourgum	50'/30'		CN
Ostrya virginiana	Eastern hophornbeam	45'/40'		FC
<u>Small Trees: Suitable for yards and tree lawns at least 5 feet wide and under utility wires:</u>				
Amelanchier x grandiflora	Autumn brilliance serviceberry	25'/20'		FCN
Cercis canadensis	Eastern redbud	20'/20'		FC
Cornus alternifolia	Pagoda dogwood	25'/25'		FC
Cornus mas	Corneliancherry dogwood	25'/20'		F
Cotinus obovatus	American smoketree	30'/20'		C
Malus species	Crabapple	Varies	Apple scab and Japanese beetle resistant varieties: 'Ann E', 'Bob White', 'Jack', 'Japanese Flowering', 'Louisa', 'Orniston Roy', 'Prairifire', 'Redbud', 'Red Jewel', 'Sargent', 'Sinai Fire', 'Tea', 'White Angel'	N

Recommended street trees for: (C)armel, (F)ishers and/or (N)oblesville. See their web sites for detailed recommendations.
 Note: At this printing Westfield is revising their list of recommended trees

City of Westfield Master Tree List

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Drought Tolerant Trees	Page 23-24
Wet Soil Trees	Page 25-26



City of Westfield Master Tree List

City of Westfield Master Tree List

City of Westfield Master Tree List

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Large Trees 40 ft. or greater											
Abies concolor	White Fir	40-70'	20-30'	N/A	Conical	Full sun to part shade	Medium	Evergreen	No	slow to medium	
Acer x freemanii	Freeman Maple	40-55'	30-40'	Greenish-yellow to red-rarely flowers	Varies from fastigate to columnar to round-crowned	Full sun to part shade	Medium to wet	orange-red to scarlet-red	Hybrid	medium to fast	
Acer nigrum	Black Maple	60-80'	40-70'	Greenish - April	Upright-oval to rounded	Full sun to part shade	Medium	Showy yellow, orange or red	Yes	slow	
Acer rubrum	Red Maple	40-70'	30-50'	Red, sometimes yellow - late March or April	Irregular, Ovoid, or Rounded	Full sun to part shade	Medium to wet	Orange-red	Yes	medium to fast	
Acer saccharum	Sugar Maple	60-80'	40-70'	Greenish - before leaves in April	Upright-oval to rounded, dense	Full sun to part shade	Medium	yellow, orange or red	Yes	slow	
Aesculus hippocastanum	Horse Chestnut	50-75'	40-65'	White with red or yellow marking - flowering peak in mid-May	Upright-oval to rounded	Full sun to part shade	Medium	yellow and brown	Yes	medium	
Alnus glutinosa	Black Alder	46-60'	20-40'	Reddish brown (male) purple (female) - March	weak to narrow pyramidal	Full sun to part shade	Medium to wet	insignificant	No	fast in youth slows with maturity	invasive
Betula nigra	River Birch	40-70'	40-60'	brown (male), green (female) - around March	rounded, trunk usually divided	Full sun to part shade	Medium to wet	Yellowish	Yes	medium to fast	
Carpinus betulus	European hornbeam	40-60'	40-60'	Green - April	oval-rounded to rounded	Full sun	Medium	Yellow to yellow-green	No	slow to medium	
Carya cordiformis	Bitternut Hickory	50-80'	30-50'	Green - April to May	irregular, cylindrical crown	Full sun to part shade	Medium to wet	yellow-orange	Yes	medium	Develop large taproot
Carya glabra	Pignut Hickory	50-80'	25-40'	Yellowish-green - April to May	regular open oval	Full sun to part shade	Medium	yellow-orange	Yes	medium	Develop large taproot
Carya illinoensis	Northern Pecan	75-100'	40-70'	Greenish yellow - April to May	uniform, broadly oval	Full sun	Medium	Pale yellow	Yes	medium	Develop large taproot
Carya laciniosa	Shellbark Hickory	60-80'	40-60'	Greenish yellow - April to May	narrow oblong crown, high branching	Full sun	Medium to wet, inhabits wet bottomlands	Yellowish brown	Yes	medium	Develop large taproot
Carya ovata	Shagbark Hickory	70-90'	50-70'	Greenish yellow - April to May	oblong crown, straight trunk	Full sun to part shade	Medium	Gold and showy	Yes	medium	Develop large taproot
Carya tomentosa	Mockernut Hickory	60-80'	40-60'	Yellowish-green - April to May	narrow to broadly rounded	Full sun to part shade	Medium	yellow-orange	Yes	medium	Develop large taproot
Catalpa speciosa	Northern Caltapa	40-70'	20-50'	Fragrant showy white with purple & yellow interior spotting orchid-like - May to June	narrow, open, irregular, oval crown	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium to fast	Drops flower buds in spring and seed pods in fall
Celtis laevigata	Sugar Hackberry	60-80'	60-80'	Green - late April to early May	rounded to broad rounded, often pendulous	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium	salt tolerant recommended street tree
Celtis occidentalis	Common Hackberry	60-80'	60-80'	Green - late April to early May	broad top of ascending arching branches	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium to fast	recommended street tree
Cercidiphyllum japonicum	Katsura Tree	60-70'	40-50'	N/A	greatly variable	Full sun to part shade	Medium to wet	Yellowish-red	No	medium to fast	
Chamaecyparis obtusa	Hinoki Cypress	50-75'	15-25'	N/A	tall, slender pyramid with spreading branches	Full sun to part shade	Medium	Evergreen	No	medium	Slow growing landscape ornamental

City of Westfield Master Tree List

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Cladrastis kentukea (lutea)	Yellowwood	30-50'	40-55'	White, fragrant - early June	low branching, broad, round crown	Full sun	Medium	Yellow-orange	Yes	medium	
Corylus colurna	Turkish Filbert	40-80'	30-50'	Yellow (male) - March to April	broad pyramidal short trunk	Full sun to part shade	Medium	Reddish-purple	No	medium	
Diospyros virginiana	Persimmon	35-60'	25-35'	White to greenish yellow - May to June	slender oval-rounded crown, symmetrical	Full sun to part shade	Dry to medium	Yellow to red	Yes	slow to medium	
Fagus grandifolia	American Beech	50-80'	40-80'	Yellowish green - April or early May	short trunk, wide spreading crown	Full sun to part shade	Medium	Golden bronze	Yes	slow, medium in youth	
Fagus sylvatica	European Beech	80-115'	20-40'	Yellowish green - April or early May	densely pyramidal to oval or rounded, branch to ground	Full sun to part shade	Medium	yellow, orange or red	No	slow to medium	
Ginkgo biloba	Maidenhair Tree	50-80'	30-40'	Green - April to May	wide spreading, great variation	Full sun	Medium	Yellow	No	slow to medium, fast with fertilizer	Male tree only
Gleditsia triacanthos variety inermis	Thornless Honeylocust	60-80'	60-80'	Greenish yellow - May to June	short trunk, open-spreading and fine textured	Full sun	Medium	Yellow	Yes	fast	Common for tree to have die out in the crown
Gymnocladus dioicus	Kentucky Coffee Tree	60-80'	40-55'	Greenish white - April to May	vertically ascending irregular branches, obovate crown	Full sun	Medium	Yellow	Yes	slow to medium	
Juglans nigra	Black Walnut	75-100'	75-100'	Yellowish green - May to June	high branching, oval to rounded somewhat open	Full sun	Medium	Fine yellow, early	Yes	medium	branches don't start till halfway up the trunk or higher, deep taproot, release toxin into ground that prevents understory growth
Juniperus virginiana	Eastern Red Cedar	30-65'	8-25'	N/A	variable from columnar to broadly pyramidal, pendulous with age	Full sun	Dry to medium	Evergreen	Yes	medium	
Larix decidua	European Larch	60-100'	20-30'	N/A	pyramidal, horizontal branches and drooping branchlets	Full sun	Medium	Gold to brown	No	medium, fast in youth	
Liquidambar styraciflua	Sweetgum	60-80'	40-60'	Yellow green - May	oblong to rounded crown	Full sun	Medium	Showy red, orange & yellow	Yes	medium to fast	drops numerous spiked seed pods in the fall
Liriodendron tulipifera	Tulip Tree	60-90'	30-50'	Yellow with orange band - late May thru mid June	oval-rounded	Full sun	Medium	Pretty golden yellow	Yes	fast	
Metasequoia glyptostroboides	Dawn Redwood	Over 200'	15-25'	N/A	feathery-pyramidal to broad-rounded crown	Full sun	Medium to wet	Brown	No	very fast	

City of Westfield Master Tree List

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Nyssa sylvatica	Black Gum, Black Tupelo	30-50'	20-30'	Greenish-white - May to June	irregularly rounded or flat-topped crown	Full sun to part shade	Medium to wet	Scarlet red	Yes	slow to medium	will not tolerate heavy pollution
Phellodendron amurense	Amur Corktree	30-45'	30-60'	Yellowish-green - May and early June	broad spreading, short trunk, open rounded crown	Full sun	Medium	Yellow	No	medium	female plants can become invasive
Picea abies	Norway Spruce	40-60'	25-30'	N/A	pyramidal with pendulous branches	Full sun	Medium	Evergreen	No	medium to fast	
Picea glauca	White Spruce	46-60'	10-20'	N/A	tall, fairly narrow dense spire, compact and regular	Full sun	Medium	Evergreen	No	medium	
Picea omorika	Serbian Spruce	40-60'	15-20'	N/A	very slender trunk, narrow to broad pyramidal	Full sun to part shade	Medium	Evergreen	No	slow to medium	
Picea pungens	Colorado Spruce	30-60'	10-20'	N/A	dense, regular narrow to broad pyramid	Full sun	Medium	Evergreen	No	slow to medium	Seceptable to bagworm infestation
Picea pungens 'Hoopsii'	Hoopsii Colorado Spruce	30-50'	15-20'	N/A	dense, pyramidal with spreading branches. Glaucous pyramidal to rounded, can be flat-topped and broad-spreading	Full sun	Medium	Evergreen	No	medium	Seceptable to bagworm infestation
Pinus bungeana	Lacebark Pine	30-50'	20-35'	N/A	symmetrical soft pyramid	Full sun to part shade	Medium	Evergreen	Yes	one of the fastest pines	
Pinus strobus	Eastern White Pine	50-80'	20-40'	N/A	picturesque, open, wide-spreading and flat or round-topped, almost umbrella shaped	Full sun	Medium	Evergreen	No	medium when young, slow with age	
Pinus sylvestris	Scots Pine	30-60'	30-40'	N/A	wide-spreading open, irregular	Full sun	Medium to wet	Yellow brown	Hybrid	medium	
Platanus x acerifolia	London Planetree	75-100'	60-75'	Yellow (male) red - (female) - April	wide-spreading open, irregular	Full sun	Medium to wet	Yellow brown	Yes	medium to fast	
Platanus occidentalis	Sycamore	75-100'	75-100'	Yellow (male) red - (female) - late March	open, spired pyramid	Full sun	Medium to wet	Evergreen	No	medium	
Pseudotsuga menziesii	Douglas Fir	40-80'	12-20'	N/A	upright-rounded to broad-rounded with wide-spreading branches	Full sun	Dry to medium	Striking reddish & purplish	Yes	slow to medium	
Quercus alba	White Oak	50-80'	50-80'	Yellowish green, insignificant, messy - May	broad, open, round-topped crown. Short, limby trunk broad-rounded to upright-oval. Drooping lower lateral branches	Full sun	Dry to medium	Yellow, sometimes reddish purple	Yes	slow to medium	
Quercus bicolor	Swamp White Oak	50-60'	50-60'	Yellowish-green - May	pyramidal to oval	Full sun	Dry to medium	Copper	Yes	slow	
Quercus imbricaria	Shingle Oak	40-60'	40-60'	Yellowish-green, messy - May	open, rounded	Full sun	Dry to medium	Showy yellow & long lasting	Yes	medium in youth, slow with age	
Quercus macrocarpa	Bur Oak	60-80'	60-80'	Yellowish green, insignificant - April to May							
Quercus muehlenbergii	Chinkapin Oak	40-60'	50-60'	Yellowish green, insignificant, messy - May							

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Quercus phellos	Willow Oak	40-75'	25-50'	Yellowish green, insignificant, messy - May	dense, oblong-oval to rounded crown	Full sun	Dry to medium	Yellow brown	No	medium	
Quercus prinus	Chestnut Oak	50-70'	50-70'	Yellowish-green, messy - May	rounded and relatively dense	Full sun	Dry to medium	Yellow brown	Yes	slow to medium	
Quercus rubra	Red Oak	50-75'	50-75'	Yellowish green, insignificant - May	round-topped and symmetrical	Full sun	Dry to medium	Dark red, showy	Yes	fast if in rich moist well-drained soil	
Quercus shumardii	Schumard Oak	40-60'	30-40'	Greenish, messy - May	broad open crown	Full sun	Dry to medium	Brownish red	Yes	medium to fast	
Quercus velutina	Black Oak	50-60'	50-60'	Yellow-green, messy - May	globular, spreading crown	Full sun	Dry to medium	Orange to red	Yes	slow to medium	
Salix alba	White Willow	50-80'	40-70'	Yellow (male) green (female) - April to May	long branches with flexible stems forming broad open, round topped	Full sun to part shade	Medium to wet	Pale yellow	No	very fast	invasive tendencies, surface roots out compete other vegetation and manmade structures
Sassafras albidum	Sassafras	30-60'	25-40'	Greenish-yellow - early May	flat-topped, irregular, round-oblong crown	Full sun to part shade	Medium	Yellow red and purple	Yes	medium to fast	
Sophora japonica	Japanese Pagoda Tree	50-75'	50-75'	White, slightly fragrant - August	upright-spreading, broadly rounded crown	Full sun to part shade	Medium	Insignificant	No	medium to fast	
Taxodium distichum	Bald Cypress	50-75'	20-45'	N/A	slender, pyramidal. Flat-topped and picturesque in age	Full sun	Medium to wet	Cinnamon brownish	No	medium	
Tilia cordata	Little Leaf Linden	50-70'	35-50'	Pale yellow, fragrant - late June, early July	upright-oval to pyramidal-rounded	Full sun to part shade	Medium	Pale green to pale yellow	No	medium	Bees attracted to flowers, also attract japanese beetles
Tilia tomentosa	Silver Linden	50-70'	30-50'	Pale yellow, fragrant - late June, early July	upright-oval to pyramidal-rounded	Full sun to part shade	Dry to medium	Pale green to pale yellow	No	medium	Bees attracted to flowers, also attract japanese beetles
Tilia x euchlora	Crimean Linden	40-60'	20-30'	Pale yellowish-white - July	upright-oval to pyramidal-rounded, lower branches skirt ground	Full sun to part shade	Medium	Pale green to pale yellow	Hybrid	slow to medium	Bees attracted to flowers, also attract japanese beetles
Tsuga canadensis	Canadian Hemlock	40-70'	25-35'	N/A	pendulously pyramidal	Part shade to full shade	Medium	Evergreen	No	medium	
Ulmus parvifolia	Accolade ® Elm, Lacebark Elm	40-50'	25-40'	Reddish Green - August to September	round-headed and pendulous to upright-spreading. Much variation	Full sun	Medium	Orange-Red	No	medium to fast	Replacement for the American Elm-DIED resitant
Zelkova serrata	Japanese Zelkova	50-80'	50-80'	Green - April	low-branched, vase-shaped with ascending branches	Full sun	Medium	Red	No	medium, fast in youth	Similar to the Elms listed above

Medium Trees 25 to 40 ft.

Acer buergerianum	Trident Maple	20-30'	20-30'	Greenish-yellow - April to May with leaves	distinctly oval-rounded to round	Full sun to part shade	Medium	Dark red and orange	No	slow to medium	
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Acer campestre	Hedge Maple	20-35'	25-35'	Yellowish-green - May	rounded and dense, often branched to ground	Full sun to part shade	Medium	Yellow	No	slow	
Acer maximowiczianum	Nikko Maple	30-45'	30-45'	Yellow - May	vase-shaped, round-headed	Full sun to part shade	Medium	Red	No	slow	
Acer triflorum	Three-Flowered Maple	25-30'	25-30'	Greenish-yellow - April	upright-spreading to full, dense, and round-headed	Full sun to part shade	Medium	Orange-red	No	slow	
Aesculus x carnea	Red Horse Chestnut	30-40'	25-35'	Red - May to June	rounded to broad-rounded	Full sun to part shade	Medium	Undistinguished	Hybrid	medium	Husk of Chestnut covered in needle-sharp thorns
Carpinus caroliniana	American Hornbeam	20-30'	20-35'	Green - April	multi-stemmed, wide-spreading, flat or round-topped (often irregular) crown	Full sun to part shade	Medium	Yellow, orange red	Yes	slow	
Crataegus crus-galli	Cockspur Hawthorn	25-35'	25-35'	White, odorous - May	broad-rounded, low-branched	Full sun	Medium	Yellow-orange-red	No	slow to medium	
Crataegus phaenopyrum	Washington Hawthorn	25-30'	25-30'	White - early June, short bloom	broadly oval to rounded, dense	Full sun	Medium	Orange-red	No	fast when young, slows with age	
Crataegus viridis	Winter King Hawthorn	25-35'	25-35'	White - late May	rounded, spreading, dense	Full sun	Dry to medium	Orange-red	Yes	slow	
Eucommia ulmoides	Hardy Rubber Tree	40-60'	30-50'	Greenish-brown - April	rounded to broad-spreading	Full sun to part shade	Medium	Insignificant	No	medium	
Halesia tetraptera (formerly H. carolina)	Carolina Silverbell	30-40'	20-35'	White - early May	low-branched, broad, rounded crown	Full sun to part shade	Medium	Yellow to orange	No	medium	
Koelreuteria paniculata	Golden Rain Tree	30-40'	30-40'	Yellow - July	dense, regular rounded outline	Full sun	Dry to medium	Gold to red	No	medium to fast	may naturalize
Maackia amurensis	Maackia	20-30'	20-30'	Dull white - June to July, doesn't flower every year	round-headed, branches upright-arching-spreading	Full sun to part shade	Medium	Insignificant	No	slow	
Magnolia virginiana	Sweet Bay Magnolia	10-35'	10-35'	White, lemon scented - mid June	multi-stemmed, open, upright-spreading	Full sun to part shade	Medium to wet	Brownish-yellow	Yes	medium to fast	
Ostrya virginiana	Eastern Hop Hornbeam	25-40'	20-30'	Red-brown (male) light green (female) - April	rounded, horizontal or drooping branches	Full sun to part shade	Medium	Yellow-orange	Yes	slow	
Oxydendrum arboreum	Sourwood	20-50'	10-25'	White, fragrant - mid July, typically blooms heavily	pyramidal, rounded top and drooping branches	Full sun to part shade	Medium	Crimson red	No	slow	
Prunus 'Kanzan'	Japanese Flowering Cherry	25-30'	25-30'	Deep pink - April	vase shape, ascending branching, spreading-rounded crown	Full sun to part shade	Medium	Yellow to orange-bronze	No	fast	
Pyrus calleryana	Redspire Pear	25-35'	20-25'	White, slightly malodorous - late April to early May	oval to spreading, upright branching	Full sun	Medium	Orange	No	fast	Commonly will split at branch junction after ten to fifteen years of growth

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Pyrus calleryana 'Aristocrat'	Aristocrat Pear	25-35'	20-25'	White, slightly malodorous - late April to early May	oval to spreading, upright branching	Full sun	Dry to medium	Red	No	fast	Commonly will split at branch junction after ten to fifteen years of growth
Pyrus calleryana 'Capital'	Capital Pear	25-35'	8-12'	White, slightly malodorous - late April to early May	oval to spreading, upright branching	Full sun	Dry to medium	Red	No	fast	Commonly will split at branch junction after ten to fifteen years of growth
Robinia 'Purple Robe'	Black Locust	30-40'	20-30'	Violet Purple - May to June	compact rounded	Full sun	Dry to medium	yellow	No	fast	invasive tendencies
Small Trees 25 ft. or less											
Acer griseum	Paperbark Maple	20-30'	15-25'	Green - April	upright-oval, oval or rounded	Full sun to part shade	Medium	Red	No	slow	
Acer palmatum	Japanese Maple	10-25'	10-25'	Reddish-purple - May and June	rounded to broad-rounded, branches often layered	Full sun to part shade	Medium	Yellow, red-purple or bronze	No	medium when young, slow with age	
Acer tataricum	Tatarian Maple	15-20'	15-20'	Greenish-white - April to May	multi-stemmed, rounded to wide spreading	Full sun to part shade	Medium	Yellow-red	No	slow to medium	may naturalize
Acer tataricum subspecies Ginnala	Amur Maple	15-20'	15-20'	Yellowish-white, fragrant - late April to early May	multi-stemmed, rounded	Full sun to part shade	Medium	Orange-red to red	No	medium	invasive tendencies
Amelanchier canadensis	Shadblow Serviceberry, Thicket Serviceberry	20-25'	15-20'	White - late March	upright, suckering, tightly multi-stemmed	Full sun to part shade	Medium	Orange-red	No	medium	
Amelanchier x grandiflora	Autumn Brilliance Serviceberry	15-25'	15-25'	White - April	multi-stemmed, rounded crown	Full sun to part shade	Medium	Orange-red	Hybrid	slow to medium	
Amelanchier laevis	Allegheny Serviceberry	15-40'	15-40'	White - April, short lived	multi-stemmed, rounded crown	Full sun to part shade	Medium	Orange-red	Yes	medium	
Asimina triloba	Pawpaw	15-25'	15-25'	Purple - early May	multi-stemmed, dense pyramidal or round-topped, tends to sucker	Full sun to part shade	Medium to wet	Yellow	Yes	medium	
Cercis canadensis	Eastern Redbud	20-25'	25-35'	Pink - late April to early May	trunk usually divided, spreading, flat-topped to rounded crown	Full sun to part shade	Medium	Yellow	Yes	medium	
Chamaecyparis pisifera 'Filifera Aurea'	Japanese or Sawa False Cypress	6-20'	3-7'	N/A	pyramidal, loose open habit	Full sun to part shade	Medium	Evergreen	No	medium	
Chionanthus virginicus	Fringetree	12-20'	12-20'	White, slightly fragrant - late May to early June	spreading, rather open, often wider than high. Wide range of shapes	Full sun to part shade	Medium	Yellow	No	slow	
Cornus alternifolia	Pagoda Dogwood	10-15'	12-20'	Yellowish-white, fragrant - late May to early June	spreading, low-branched. Broad horizontal branches form stratified layers	Full sun to part shade	Medium	Green-red	Yes	slow initially medium when established	
Cornus florida	Flowering Dogwood	15-25'	15-25'	White - mid May for 2 weeks	horizontally spreading lines, layered effect, flat-topped crown	Full sun to part shade	Medium	Green-yellow-red	Yes	slow initially medium when established	

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Cornus kousa	Kousa Dogwood	15-25'	15-30'	White to pinkish - early June for about 6 weeks	rounded with distinct stratified branching. Strong horizontal lines	Full sun to part shade	Medium	Red	No	slow	
Cornus mas	Cornelian Cherry Dogwood	15-25'	15-20'	Yellow - late March or early April	multi-stemmed, oval-rounded outline, branching to ground	Full sun to part shade	Medium	Orange-red to red	No	medium	
Cornus racemosa	Gray Dogwood	10-15'	10-15'	White - early to mid June	strongly multi-stemmed, erect-growing, suckering	Full sun to part shade	Medium	Dark red	Yes	new shoots grow very fast, old very slow	
Corylus americana	American Hazelnut	10-16'	8-13'	Brown (male) red (female) - March to April	strongly multi-stemmed, rounded top, leggy or open base	Full sun to part shade	Medium	orange purplish red yellow and green	No	medium to fast	
Cotinus coggygria	Smoketree	10-15'	10-15'	Yellow - June (showyness comes from sterile portion and lasts thru September)	upright, spreading, loose and open, wider than high, multi-stemmed	Full sun	Medium	yellow, orange red and purplish-red	No	medium	
Crataegus laevigata	English Hawthorn	15-20'	15-20'	White - mid May	shrubby, low-branched, round-topped	Full sun	Medium	Insignificant	No	slow	
Crataegus punctata	Dotted Hawthorn	20-25'	25-30'	White - May	usually wider than tall	Full sun	Medium	Red	Yes	slow to medium	
Ginkgo biloba 'Tubifolia'	Tubifolia Maidenhair Tree	20-25'	12-18'	Green - April to May	upright	Full sun	Medium	Yellow	No	slow to medium	Male tree only
Juniperus chinensis 'Fairview'	Chinese Juniper	10-15'	4-9'	N/A	narrow-pyramidal, upright form	Full sun	Medium	Evergreen	No	slow to medium	
Juniperus chinensis 'Perfecta'	Chinese Juniper	15-18'	6-8'	N/A	upright growth habit	Full sun	Medium	Evergreen	No	slow to medium	
Juniperus scopulorum 'Wichita Blue'	Rocky Mountain Juniper	10-15'	4-6'	N/A	pyramidal form	Full sun	Medium	Evergreen	No	slow to medium	
Juniperus virginiana 'Burkii'	Red Cedar	16-66'	4-10'	N/A	narrow to broad pyramidal	Full sun	Medium	Evergreen	Yes	medium	
Magnolia x soulangiana	Saucer Magnolia	20-25'	20-25'	White flushed with purple sometimes fragrant- mid to late April	multi-stemmed, pyramidal to rounded	Full sun to part shade	Medium	Light green	Hybrid	medium	
Magnolia stellata 'Royal Star'	Royal Star Magnolia	10-20'	8-15'	White - March to April	upright, densely branched, rounded	Full sun to part shade	Medium	Brownish-yellow	No	slow	
Malus species	Crabapples	15-25'	15-25'	Varies	range from low mound-like to marrow upright to pendulous	Full sun	Medium	Varies	Hybrid	varies	
Picea pungens 'Fat Albert'	Fat Albert Colorado Spruce	10-15'	7-10'	N/A	dense upright pyramidal	Full sun	Medium	Evergreen	No	slow to medium	Seceptable to bagworm infestation
Prunus cerasifera	Cherry Plum	15-25'	15-25'	White or slightly pink - April	twiggy and rounded, ascending spreading branches	Full sun to part shade	Medium	Insignificant	No	fast	
Prunus serrulata	Japanese Flowering Cherry	15-25'	15-25'	White to pink - April	vase shaped to rounded	Full sun to part shade	Medium	Yellow to bronze to red	No	medium	
Prunus subhirtella pendula	Weeping Cherry	20-25'	15-25'	Pink to white - late March to early April	gracefully weeping	Full sun to part shade	Medium	Yellow	No	fast	

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<i>Prunus virginiana</i>	Choke Cherry	20-25'	15-20'	White - April to May	small, suckering, crooked branches and slender twigs. Oval-rounded crown	Full sun to part shade	Dry to medium	Yellow to orange	Yes	fast	may naturalize
<i>Syringa reticulata</i>	Japanese Lilac Tree	20-30'	15-20'	White, fragrant - late May to June	somewhat oval to rounded crown, branches somewhat arching	Full sun	Medium	Insignificant	No	medium	
<i>Thuja occidentalis</i> 'Smaragd'	American Arborvitae	12-14'	3-4'	N/A	compact, narrowly pyramidal	Full sun to part shade	Medium	Evergreen	No	slow to medium	
<i>Thuja occidentalis</i> 'Techny'	American Arborvitae	10-15'	6-10'	N/A	broad-based, pyramidal form	Full sun to part shade	Medium	Evergreen	No	slow	

**City of Westfield Master Tree List
New Construction Street Trees**

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
<i>Type A Street Trees for new construction</i>											
Aesculus hippocastanum	Horse Chestnut	50-75'	40-65'	White with red or yellow marking - flowering peak in mid-May	Upright-oval to rounded	Full sun to part shade	Medium	yellow and brown	Yes	medium	Husk of chestnut has needle-sharp thorns
Acer tataricum subspecies Ginnala	Amur Maple	15-20'	15-20'	Yellowish-white, fragrant - late April to early May	multi-stemmed, rounded	Full sun to part shade	Medium	Orange-red to red	No	medium	invasive tendencies
Acer triflorum	Three-Flowered Maple	25-30'	25-30'	Greenish-yellow - April	upright-spreading to full, dense, and round-headed	Full sun to part shade	Medium	Orange-red	No	slow	
Cercis canadensis	Eastern Redbud	20-25'	25-35'	Pink - late April to early May	trunk usually divided, spreading, flat-topped to rounded crown	Full sun to part shade	Medium	Yellow	Yes	medium	
Cornus kousa	Kousa Dogwood	15-25'	15-30'	White to pinkish - early June for about 6 weeks	rounded with distinct stratified branching. Strong horizontal lines	Full sun to part shade	Medium	Red	No	slow	
Crataegus crus-galli	Cockspur Hawthorn	25-35'	25-35'	White, odorous - May	broad-rounded, low-branched	Full sun	Medium	Yellow-orange-red	No	slow to medium	
Eucommia ulmoides	Hardy Rubber Tree	40-60'	30-50'	Greenish-brown - April	rounded to broad-spreading	Full sun to part shade	Medium	Insignificant	No	medium	Resembles the American Elm
Fagus grandifolia	American Beech	50-80'	40-80'	Yellowish green - April or early May	short trunk, wide spreading crown	Full sun to part shade	Medium	Golden bronze	Yes	slow, medium in youth	
Fagus sylvatica	European Beech	35-50'	20-40'	Yellowish green - April or early May	densely pyramidal to oval or rounded, branch to ground	Full sun to part shade	Medium	yellow, orange or red	No	slow to medium	
Ginkgo biloba	Maidenhair Tree	50-80'	30-40'	Green - April to May	wide spreading, great variation	Full sun	Medium	Yellow	No	slow to medium, fast with fertilizer	Male tree only
Gleditsia triacanthos variety inermis	Thornless Honeylocust	60-80'	60-80'	Greenish yellow - May to June	short trunk, open-spreading and fine textured	Full sun	Medium	Yellow	Yes	fast	Commonly exhibit dieback in the crown
Gymnocladus dioicus	Kentucky Coffee Tree	60-80'	40-55'	Greenish white - April to May	vertically ascending irregular branches, obovate crown round-headed,	Full sun	Medium	Yellow	Yes	slow to medium	
Maackia amurensis	Maackia	20-30'	20-30'	Dull white - June to July, doesn't flower every year	branches upright-arching-spreading	Full sun to part shade	Medium	Insignificant	No	slow	
Metasequoia glyptostroboides	Dawn Redwood	70-100'	15-25'	N/A	feathery-pyramidal to broad-rounded crown	Full sun	Medium to wet	Brown	No	very fast	

**City of Westfield Master Tree List
New Construction Street Trees**

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Pyrus calleryana	Redspire Pear	25-35'	20-25'	White, slightly malodorous - late April to early May	oval to spreading, upright branching	Full sun	Medium	Orange	No	fast	Common for tree to split at the central branch junction after ten to fifteen years of growth
Pyrus calleryana 'Aristocrat'	Aristocrat Pear	25-35'	20-25'	White, slightly malodorous - late April to early May	oval to spreading, upright branching	Full sun	Dry to medium	Red	No	fast	Common for tree to split at the central branch junction after ten to fifteen years of growth
Pyrus calleryana 'Capital'	Capital Pear	25-35'	8-12'	White, slightly malodorous - late April to early May	oval to spreading, upright branching	Full sun	Dry to medium	Red	No	fast	Common for tree to split at the central branch junction after ten to fifteen years of growth
Quercus rubra	Red Oak	50-75'	50-75'	Yellowish green, insignificant - May	round-topped and symmetrical	Full sun	Dry to medium	Dark red, showy	Yes	fast if in rich moist well-drained soil	
Syringa reticulata	Japanese Lilac Tree	20-30'	15-20'	White, fragrant - late May to June	somewhat oval to rounded crown, branches somewhat arching	Full sun	Medium	Insignificant	No	medium	
Tilia cordata	Little Leaf Linden	50-70'	35-50'	Pale yellow, fragrant - late June, early July	upright-oval to pyramidal-rounded	Full sun to part shade	Medium	Pale green to pale yellow	No	medium	Bees attracted to flowers, also attract japanese beetles
Tilia tomentosa	Silver Linden	50-70'	30-50'	Pale yellow, fragrant - late June, early July	upright-oval to pyramidal-rounded	Full sun to part shade	Dry to medium	Pale green to pale yellow	No	medium	Bees attracted to flowers, also attract japanese beetles
Tilia x euchlora	Crimean Linden	40-60'	20-30'	Pale yellowish-white - July	upright-oval to pyramidal-rounded, lower branches skirt ground	Full sun to part shade	Medium	Pale green to pale yellow	Hybrid	slow to medium	Bees attracted to flowers, also attract japanese beetles
Zelkova serrata	Japanese Zelkova	50-80'	50-80'	Green - April	low-branched, vase-shaped with ascending branches	Full sun	Medium	Red	No	medium, fast in youth	

Type B Street Trees for new construction

Acer campestre	Hedge Maple	20-35'	25-35'	Yellowish-green - May	rounded and dense, often branched to ground	Full sun to part shade	Medium	Yellow	No	slow	
Acer x freemanii	Freeman Maple	40-55'	30-40'	Greenish-yellow to red-rarely flowers	Varies from fastigate to columnar to round-crowned	Full sun to part shade	Medium to wet	orange-red to scarlet-red	Hybrid	medium to fast	
Acer griseum	Paperbark Maple	20-30'	15-25'	Green - April	upright-oval, oval or rounded	Full sun to part shade	Medium	Red	No	slow	
Acer maximowiczianum	Nikko Maple	30-45'	30-45'	Yellow - May	vase-shaped, round-headed	Full sun to part shade	Medium	Red	No	slow	
Acer nigrum	Black Maple	60-80'	40-70'	Greenish - April	Upright-oval to rounded	Full sun to part shade	Medium	Showy yellow, orange or red	Yes	slow	

**City of Westfield Master Tree List
New Construction Street Trees**

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Acer rubrum	Red Maple	40-70'	30-50'	Red, sometimes yellow - late March or April	Irregular, Ovoid, or Rounded	Full sun to part shade	Medium to wet	Orange-red	Yes	medium to fast	
Acer saccharum	Sugar Maple	60-80'	40-70'	Greenish - before leaves in April	Upright-oval to rounded, dense multi-stemmed, rounded to wide spreading	Full sun to part shade	Medium	yellow, orange or red	Yes	slow	
Acer tataricum	Tatarian Maple	15-20'	15-20'	Greenish-white - April to May	Upright-oval to rounded	Full sun to part shade	Medium	Yellow-red	No	slow to medium	may naturalize
Aesculus hippocastanum	Horse Chestnut	50-75'	40-65'	White with red or yellow marking - flowering peak in mid-May	Upright-oval to rounded	Full sun to part shade	Medium	yellow and brown	Yes	medium	Husk of chestnut has needle-sharp thorns
Alnus glutinosa	Black Alder	46-60'	20-40'	Reddish brown (male) purple (female) - March	weak to narrow pyramidal	Full sun to part shade	Medium to wet	insignificant	No	fast in youth slows with maturity	invasive
Amelanchier canadensis	Shadblow Serviceberry, Thicket Serviceberry	20-25'	15-20'	White - late March	upright, suckering, tightly multi-stemmed	Full sun to part shade	Medium	Orange-red	No	medium	
Amelanchier x grandiflora	Autumn Brilliance Serviceberry	15-25'	15-25'	White - April	multi-stemmed, rounded crown	Full sun to part shade	Medium	Orange-red	Hybrid	slow to medium	
Amelanchier laevis	Allegheny Serviceberry	15-40'	15-40'	White - April, short lived	multi-stemmed, rounded crown	Full sun to part shade	Medium	Orange-red	Yes	medium	
Betula nigra	River Birch	40-70'	40-60'	brown (male), green (female) around March	rounded, trunk usually divided	Full sun to part shade	Medium to wet	Yellowish	Yes	medium to fast	
Carpinus betulus	European hornbeam	40-60'	40-60'	Green - April	oval-rounded to rounded	Full sun	Medium	Yellow to yellow-green	No	slow to medium	
Carpinus caroliniana	American Hornbeam	20-30'	20-35'	Green - April	multi-stemmed, wide-spreading, flat or round-topped (often irregular) crown	Full sun to part shade	Medium	Yellow, orange red	Yes	slow	
Carya cordiformis	Bitternut Hickory	50-80'	30-50'	Green - April to May	irregular, cylindrical crown	Full sun to part shade	Medium to wet	yellow-orange	Yes	medium	Develop large taproot
Carya glabra	Pignut Hickory	50-80'	25-40'	Yellowish-green - April to May	regular open oval	Full sun to part shade	Medium to wet	yellow-orange	Yes	medium	Develop large taproot
Carya laciniosa	Shellbark Hickory	60-80'	40-60'	Greenish yellow - April to May	narrow oblong crown, high branching	Full sun	Medium to wet, inhabits wet bottomlands	Yellowish brown	Yes	medium	Develop large taproot
Carya ovata	Shagbark Hickory	70-90'	50-70'	Greenish yellow - April to May	oblong crown, straight trunk	Full sun to part shade	Medium	Gold and showy	Yes	medium	Develop large taproot
Carya tomentosa	Mockernut Hickory	60-80'	40-60'	Yellowish-green - April to May	narrow to broadly rounded	Full sun to part shade	Medium	yellow-orange	Yes	medium	Develop large taproot
Celtis laevigata	Sugar Hackberry	60-80'	60-80'	Green - late April to early May	rounded to broad rounded, often pendulous	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium	salt tolerant, recommended street tree
Celtis occidentalis	Common Hackberry	60-80'	60-80'	Green - late April to early May	broad top of ascending arching branches	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium to fast	recommended street tree
Cercidiphyllum japonicum	Katsura Tree	60-70'	40-50'	N/A	greatly variable	Full sun to part shade	Medium to wet	Yellowish-red	No	medium to fast	

City of Westfield Master Tree List New Construction Street Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Cladrastis kentukea (lutea)	Yellowwood	30-50'	40-55'	White, fragrant - early June	low branching, broad, round crown	Full sun	Medium	Yellow-orange	Yes	medium	
Cornus alternifolia	Pagoda Dogwood	10-15'	12-20'	Yellowish-white, fragrant - late May to early June	spreading, low-branched. Broad horizontal branches form stratified layers	Full sun to part shade	Medium	Green-red	Yes	slow initially medium when established	
Cornus mas	Cornelian Cherry Dogwood	15-25'	15-20'	Yellow - late March or early April	multi-stemmed, oval-rounded outline, branching to ground	Full sun to part shade	Medium	Orange-red to red	No	medium	
Corylus colurna	Turkish Filbert	40-80'	30-50'	Yellow (male) - March to April	broad pyramidal short trunk	Full sun to part shade	Medium	Reddish-purple	No	medium	
Crataegus phaenopyrum	Washington Hawthorn	25-30'	25-30'	White - early June, short bloom	broadly oval to rounded, dense	Full sun	Medium	Orange-red	No	fast when young, slows with age	
Crataegus viridis	Winter King Hawthorn	25-35'	25-35'	White - late May	rounded, spreading, dense	Full sun	Dry to medium	Orange-red	Yes	slow	
Liquidambar styraciflua	Sweetgum	60-80'	40-60'	Yellow green - May	oblong to rounded crown	Full sun	Medium	Showy red, orange & yellow	Yes	medium to fast	drops numerous spiked seed pods in the fall
Liriodendron tulipifera	Tulip Tree	60-90'	30-50'	Yellow with orange band - late May thru mid June	oval-rounded	Full sun	Medium	Pretty golden yellow	Yes	fast	
Magnolia x soulangiana	Saucer Magnolia	20-25'	20-25'	White flushed with purple sometimes fragrant- mid to late April	multi-stemmed, pyramidal to rounded	Full sun to part shade	Medium	Light green	Hybrid	medium	More shrub-like
Magnolia stellata 'Royal Star'	Royal Star Magnolia	10-20'	8-15'	White - March to April	upright, densely branched, rounded	Full sun to part shade	Medium	Brownish-yellow	No	slow	More shrub-like
Magnolia virginiana	Sweet Bay Magnolia	10-35'	10-35'	White, lemon scented - mid June	multi-stemmed, open, upright-spreading	Full sun to part shade	Medium to wet	Brownish-yellow	Yes	medium to fast	More shrub-like
Malus species	Crabapples	15-25'	15-25'	Varies	range from low mound-like to marrow upright to pendulous	Full sun	Medium	Varies	Hybrid	varies	
Nyssa sylvatica	Black Gum, Black Tupelo	30-50'	20-30'	Greenish-white - May to June	irregularly rounded or flat-topped crown	Full sun to part shade	Medium to wet	Scarlet red	Yes	slow to medium	will not tolerate heavy pollution
Ostrya virginiana	Eastern Hop Hornbeam	25-40'	20-30'	Red-brown (male) light green (female) - April	rounded, horizontal or drooping branches	Full sun to part shade	Medium	Yellow-orange	Yes	slow	
Phellodendron amurense	Amur Corktree	30-45'	30-60'	Yellowish-green - May and early June	broad spreading, short trunk, open rounded crown	Full sun	Medium	Yellow	No	medium	female plants can become invasive
Platanus x acerifolia	London Planetree	75-100'	60-75'	Yellow (male) red - (female) - April	wide-spreading open, irregular	Full sun	Medium to wet	Yellow brown	Hybrid	medium	
Platanus occidentalis	Sycamore	75-100'	75-100'	Yellow (male) red - (female) - late March	wide-spreading open, irregular	Full sun	Medium to wet	Yellow brown	Yes	medium to fast	

**City of Westfield Master Tree List
New Construction Street Trees**

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Prunus cerasifera	Cherry Plum	15-25'	15-25'	White or slightly pink - April	twiggy and rounded, ascending spreading branches vase shape,	Full sun to part shade	Medium	Insignificant	No	fast	
Prunus 'Kanzan'	Japanese Flowering Cherry	25-30'	25-30'	Deep pink - April	ascending branching, spreading-rounded crown	Full sun to part shade	Medium	Yellow to orange-bronze	No	fast	
Prunus serrulata	Japanese Flowering Cherry	15-25'	15-25'	White to pink - April	vase shaped to rounded	Full sun to part shade	Medium	Yellow to bronze to red	No	medium	
Prunus subhirtella pendula	Weeping Cherry	20-25'	15-25'	Pink to white - late March to early April	gracefully weeping	Full sun to part shade	Medium	Yellow	No	fast	
Prunus virginiana	Choke Cherry	20-25'	15-20'	White - April to May	small, suckering, crooked branches and slender twigs. Oval-rounded crown	Full sun to part shade	Dry to medium	Yellow to orange	Yes	fast	may naturalize
Quercus alba	White Oak	50-80'	50-80'	Yellowish green, insignificant, messy - May	upright-rounded to broad-rounded with wide-spreading branches	Full sun	Dry to medium	Striking reddish & purplish	Yes	slow to medium	
Quercus bicolor	Swamp White Oak	50-60'	50-60'	Yellowish-green - May	broad, open, round-topped crown. Short, limby trunk	Full sun	Dry to medium	Yellow, sometimes reddish purple	Yes	slow to medium	
Quercus imbricaria	Shingle Oak	40-60'	40-60'	Yellowish-green, messy - May	broad-rounded to upright-oval. Drooping lower lateral branches	Full sun	Medium	variable from yellow-brown to red-brown	Yes	slow to medium	
Quercus macrocarpa	Bur Oak	60-80'	60-80'	Yellowish green, insignificant - April to May	pyramidal to oval	Full sun	Dry to medium	Copper	Yes	slow	
Quercus shumardii	Schumard Oak	40-60'	30-40'	Greenish, messy - May	broad open crown	Full sun	Dry to medium	Brownish red	Yes	medium to fast	
Taxodium distichum	Bald Cypress	50-75'	20-45'	N/A	slender, pyramidal. Flat-topped and picturesque in age	Full sun	Medium to wet	Cinnamon brownish	No	medium	

**City of Westfield Master Tree List
Overhead Utility Trees**

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Overhead Utility Trees											
Acer griseum	Paperbark Maple	20-30'	15-25'	Green - April	upright-oval, oval or rounded	Full sun to part shade	Medium	Red	No	slow	
Acer tataricum	Tatarian Maple	15-20'	15-20'	Greenish-white - April to May	multi-stemmed, rounded to wide spreading	Full sun to part shade	Medium	Yellow-red	No	slow to medium	may naturalize
Acer tataricum subspecies Ginnala	Amur Maple	15-20'	15-20'	Yellowish-white, fragrant - late April to early May	multi-stemmed, rounded	Full sun to part shade	Medium	Orange-red to red	No	medium	invasive tendencies
Amelanchier canadensis	Shadblow Serviceberry, Thicket Serviceberry	20-25'	15-20'	White - late March	upright, suckering, tightly multi-stemmed	Full sun to part shade	Medium	Orange-red	No	medium	
Amelanchier x grandiflora	Autumn Brilliance Serviceberry	15-25'	15-25'	White - April	multi-stemmed, rounded crown	Full sun to part shade	Medium	Orange-red	Hybrid	slow to medium	
Amelanchier laevis	Allegheny Serviceberry	15-40'	15-40'	White - April, short lived	multi-stemmed, rounded crown	Full sun to part shade	Medium	Orange-red	Yes	medium	
Cercis canadensis	Eastern Redbud	20-25'	25-35'	Pink - late April to early May	trunk usually divided, spreading, flat-topped to rounded crown	Full sun to part shade	Medium	Yellow	Yes	medium	
Cornus alternifolia	Pagoda Dogwood	10-15'	12-20'	Yellowish-white, fragrant - late May to early June	spreading, low-branched. Broad horizontal branches form stratified layers	Full sun to part shade	Medium	Green-red	Yes	slow initially medium when established	
Cornus florida	Flowering Dogwood	15-25'	15-25'	White - mid May for 2 weeks	horizontal spreading lines, layered effect, flat-topped crown	Full sun to part shade	Medium	Green-yellow-red	Yes	slow initially medium when established	
Cornus kousa	Kousa Dogwood	15-25'	15-30'	White to pinkish - early June for about 6 weeks	rounded with distinct stratified branching. Strong horizontal lines	Full sun to part shade	Medium	Red	No	slow	
Cornus racemosa	Gray Dogwood	10-15'	10-15'	White - early to mid June	strongly multi-stemmed, erect-growing, suckering	Full sun to part shade	Medium	Dark red	Yes	new shoots grow very fast, old very slow	
Crataegus laevigata	English Hawthorn	15-20'	15-20'	White - mid May	shrubby, low-branched, round-topped	Full sun	Medium	Insignificant	No	slow	
Crataegus phaenopyrum	Washington Hawthorn	25-30'	25-30'	White - early June, short bloom	broadly oval to rounded, dense	Full sun	Medium	Orange-red	No	fast when young, slows with age	
Crataegus punctata	Dotted Hawthorn	20-25'	25-30'	White - May	usually wider than tall	Full sun	Medium	Red	Yes	slow to medium	
Magnolia x soulangiana	Saucer Magnolia	20-25'	20-25'	White flushed with purple sometimes fragrant- mid to late April	multi-stemmed, pyramidal to rounded	Full sun to part shade	Medium	Light green	Hybrid	medium	
Magnolia stellata 'Royal Star'	Royal Star Magnolia	10-20'	8-15'	White - March to April	upright, densely branched, rounded	Full sun to part shade	Medium	Brownish-yellow	No	slow	

City of Westfield Master Tree List
Overhead Utility Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Magnolia virginiana	Sweet Bay Magnolia	10-35'	10-35'	White, lemon scented - mid June	multi-stemmed, open, upright-spreading	Full sun to part shade	Medium to wet	Brownish-yellow	Yes	medium to fast	
Malus species	Crabapples	15-25'	15-25'	Varies	range from low mound-like to marrow upright to pendulous	Full sun	Medium	Varies	Hybrid	varies	
Prunus cerasifera	Cherry Plum	15-25'	15-25'	White or slightly pink - April	twiggy and rounded, ascending spreading branches	Full sun to part shade	Medium	Insignificant	No	fast	
Prunus serrulata	Japanese Flowering Cherry	15-25'	15-25'	White to pink - April	vase shaped to rounded	Full sun to part shade	Medium	Yellow to bronze to red	No	medium	
Prunus subhirtella pendula	Weeping Cherry	20-25'	15-25'	Pink to white - late March to early April	gracefully weeping	Full sun to part shade	Medium	Yellow	No	fast	
Prunus virginiana	Choke Cherry	20-25'	15-20'	White - April to May	small, suckering, crooked branches and slenter twigs. Oval-rounded crown	Full sun to part shade	Dry to medium	Yellow to orange	Yes	fast	may naturalize

City of Westfield Master Tree List Shade Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Shade Trees											
Acer buergerianum	Trident Maple	20-30'	20-30'	Greenish-yellow - April to May with leaves	distinctly oval-rounded to round	Full sun to part shade	Medium	Dark red and orange	No	slow to medium	
Acer campestre	Hedge Maple	20-35'	25-35'	Yellowish-green - May	rounded and dense, often branched to ground	Full sun to part shade	Medium	Yellow	No	slow	
Acer x freemanii	Freeman Maple	40-55'	30-40'	Greenish-yellow to red-rarely flowers	Varies from fastigate to columnar to round-crowned	Full sun to part shade	Medium to wet	orange-red to scarlet-red	Hybrid	medium to fast	
Acer griseum	Paperbark Maple	20-30'	15-25'	Green - April	upright-oval, oval or rounded	Full sun to part shade	Medium	Red	No	slow	
Acer maximowiczianum	Nikko Maple	30-45'	30-45'	Yellow - May	vase-shaped, round-headed	Full sun to part shade	Medium	Red	No	slow	
Acer nigrum	Black Maple	60-80'	40-70'	Greenish - April	Upright-oval to rounded	Full sun to part shade	Medium	Showy yellow, orange or red	Yes	slow	
Acer rubrum	Red Maple	40-70'	30-50'	Red, sometimes yellow - late March or April	Irregular, Ovoid, or Rounded	Full sun to part shade	Medium to wet	Orange-red	Yes	medium to fast	
Acer saccharum	Sugar Maple	60-80'	40-70'	Greenish - before leaves in April	Upright-oval to rounded, dense	Full sun to part shade	Medium	yellow, orange or red	Yes	slow	
Aesculus x carnea	Red Horse Chestnut	30-40'	25-35'	Red - May to June	rounded to broad-rounded	Full sun to part shade	Medium	Undistinguished	Hybrid	medium	Husk of chestnut has needle sharp thorns
Aesculus hippocastanum	Horse Chestnut	50-75'	40-65'	White with red or yellow marking - flowering peak in mid-May	Upright-oval to rounded	Full sun to part shade	Medium	yellow and brown	Yes	medium	Husk of chestnut has needle sharp thorns
Alnus glutinosa	Black Alder	46-60'	20-40'	Reddish brown (male) purple (female) - March	weak to narrow pyramidal	Full sun to part shade	Medium to wet	insignificant	No	fast in youth slows with maturity	invasive
Betula nigra	River Birch	40-70'	40-60'	brown (male), green (female) - around March	rounded, trunk usually divided	Full sun to part shade	Medium to wet	Yellowish	Yes	medium to fast	
Carpinus betulus	European hornbeam	40-60'	40-60'	Green - April	oval-rounded to rounded	Full sun	Medium	Yellow to yellow-green	No	slow to medium	
Carya cordiformis	Bitternut Hickory	50-80'	30-50'	Green - April to May	irregular, cylindrical crown	Full sun to part shade	Medium to wet	yellow-orange	Yes	medium	Develop large taproot
Carya glabra	Pignut Hickory	50-80'	25-40'	Yellowish-green - April to May	regular open oval	Full sun to part shade	Medium	yellow-orange	Yes	medium	Develop large taproot
Carya illinoensis	Northern Pecan	75-100'	40-70'	Greenish yellow - April to May	uniform, broadly oval	Full sun	Medium	Pale yellow	Yes	medium	Develop large taproot
Carya laciniosa	Shellbark Hickory	60-80'	40-60'	Greenish yellow - April to May	narrow oblong crown, high branching	Full sun	Medium to wet, inhabits wet bottomlands	Yellowish brown	Yes	medium	Develop large taproot
Carya ovata	Shagbark Hickory	70-90'	50-70'	Greenish yellow - April to May	oblong crown, straight trunk	Full sun to part shade	Medium	Gold and showy	Yes	medium	Develop large taproot
Carya tomentosa	Mockernut Hickory	60-80'	40-60'	Yellowish-green - April to May	narrow to broadly rounded	Full sun to part shade	Medium	yellow-orange	Yes	medium	Develop large taproot

City of Westfield Master Tree List Shade Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Catalpa speciosa	Northern Caltalpa	40-70'	20-50'	Fragrant showy white with purple & yellow interior spotting orchid-like - May to June	narrow, open, irregular, oval crown	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium to fast	Drops flower buds in spring and seed pods in fall
Celtis laevigata	Sugar Hackberry	60-80'	60-80'	Green - late April to early May	rounded to broad rounded, often pendulous	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium	salt tolerant
Celtis occidentalis	Common Hackberry	60-80'	60-80'	Green - late April to early May	broad top of ascending arching branches	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium to fast	
Cercidiphyllum japonicum	Katsura Tree	60-70'	40-50'	N/A	greatly variable low branching, broad, round crown	Full sun to part shade	Medium to wet	Yellowish-red	No	medium to fast	
Cladrastis kentukea (lutea)	Yellowwood	30-50'	40-55'	White, fragrant - early June	shrubby, low-branched, round-topped	Full sun	Medium	Yellow-orange	Yes	medium	
Corylus colurna	Turkish Filbert	40-80'	30-50'	Yellow (male) - March to April	broad pyramidal short trunk	Full sun to part shade	Medium	Reddish-purple	No	medium	
Crataegus laevigata	English Hawthorn	15-20'	15-20'	White - mid May	shrubby, low-branched, round-topped	Full sun	Medium	Insignificant	No	slow	
Eucommia ulmoides	Hardy Rubber Tree	40-60'	30-50'	Greenish-brown - April	rounded to broad spreading	Full sun to part shade	Medium	Insignificant	No	medium	
Fagus grandifolia	American Beech	50-80'	40-80'	Yellowish green - April or early May	short trunk, wide spreading crown	Full sun to part shade	Medium	Golden bronze	Yes	slow, medium in youth	
Fagus sylvatica	European Beech	35-50'	20-40'	Yellowish green - April or early May	densely pyramidal to oval or rounded, branch to ground vertically ascending irregular branches, obovate crown	Full sun to part shade	Medium	yellow, orange or red	No	slow to medium	
Gymnocladus dioicus	Kentucky Coffee Tree	60-80'	40-55'	Greenish white - April to May	ascending irregular branches, obovate crown	Full sun	Medium	Yellow	Yes	slow to medium	
Juglans nigra	Black Walnut	75-100'	75-100'	Yellowish green - May to June	high branching, oval to rounded somewhat open	Full sun	Medium	Fine yellow, early	Yes	medium	branches don't start till halfway up the trunk or higher, deep taproot, release toxin into ground that prevents understory growth
Koeleruteria paniculata	Golden Rain Tree	30-40'	30-40'	Yellow - July	dense, regular rounded outline	Full sun	Dry to medium	Gold to red	No	medium to fast	may naturalize
Liquidambar styraciflua	Sweetgum	60-80'	40-60'	Yellow green - May	oblong to rounded crown	Full sun	Medium	Showy red, orange & yellow	Yes	medium to fast	drops numerous spiked seed pods in the fall
Liriodendron tulipifera	Tulip Tree	60-90'	30-50'	Yellow with orange band - late May thru mid June	oval-rounded	Full sun	Medium	Pretty golden yellow	Yes	fast	

City of Westfield Master Tree List Shade Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Maackia amurensis	Maackia	20-30'	20-30'	Dull white - June to July, doesn't flower every year	round-headed, branches upright-arching-spreading-irregularly	Full sun to part shade	Medium	Insignificant	No	slow	
Nyssa sylvatica	Black Gum, Black Tupelo	30-50'	20-30'	Greenish-white - May to June	rounded or flat-topped crown	Full sun to part shade	Medium to wet	Scarlet red	Yes	slow to medium	will not tolerate heavy pollution
Ostrya virginiana	Eastern Hop Hornbeam	25-40'	20-30'	Red-brown (male) light green (female) - April	rounded, horizontal or drooping branches	Full sun to part shade	Medium	Yellow-orange	Yes	slow	
Phellodendron amurense	Amur Corktree	30-45'	30-60'	Yellowish-green - May and early June	broad spreading, short trunk, open rounded crown	Full sun	Medium	Yellow	No	medium	female plants can become invasive
Platanus x acerifolia	London Planetree	75-100'	60-75'	Yellow (male) red - (female) - April	wide-spreading open, irregular	Full sun	Medium to wet	Yellow brown	Hybrid	medium	
Platanus occidentalis	Sycamore	75-100'	75-100'	Yellow (male) red - (female) - late March	wide-spreading open, irregular	Full sun	Medium to wet	Yellow brown	Yes	medium to fast	
Quercus alba	White Oak	50-80'	50-80'	Yellowish green, insignificant, messy - May	upright-rounded to broad-rounded with wide-spreading branches	Full sun	Dry to medium	Striking reddish & purplish	Yes	slow to medium	
Quercus bicolor	Swamp White Oak	50-60'	50-60'	Yellowish-green - May	broad, open, round-topped crown. Short, limby trunk	Full sun	Dry to medium	Yellow, sometimes reddish purple	Yes	slow to medium	
Quercus imbricaria	Shingle Oak	40-60'	40-60'	Yellowish-green, messy - May	broad-rounded to upright-oval. Drooping lower lateral branches	Full sun	Medium	variable from yellow-brown to red-brown	Yes	slow to medium	
Quercus macrocarpa	Bur Oak	60-80'	60-80'	Yellowish green, insignificant - April to May	pyramidal to oval	Full sun	Dry to medium	Copper	Yes	slow	
Quercus muehlenbergii	Chinkapin Oak	40-60'	50-60'	Yellowish green, insignificant, messy - May	open, rounded dense, oblong-oval to rounded crown	Full sun	Dry to medium	Showy yellow & long lasting	Yes	medium in youth, slow with age	
Quercus phellos	Willow Oak	40-75'	25-50'	Yellowish green, insignificant, messy - May	rounded and relatively dense	Full sun	Dry to medium	Yellow brown	No	medium	
Quercus prinus	Chestnut Oak	50-70'	50-70'	Yellowish-green, messy - May	rounded and relatively dense	Full sun	Dry to medium	Yellow brown	Yes	slow to medium	
Quercus rubra	Red Oak	50-75'	50-75'	Yellowish green, insignificant - May	round-topped and symmetrical	Full sun	Dry to medium	Dark red, showy	Yes	fast if in rich moist well-drained soil	
Quercus shumardii	Schumard Oak	40-60'	30-40'	Greenish, messy - May	broad open crown	Full sun	Dry to medium	Brownish red	Yes	medium to fast	
Quercus velutina	Black Oak	50-60'	50-60'	Yellow-green, messy - May	globular, spreading crown	Full sun	Dry to medium	Orange to red	Yes	slow to medium	
Sophora japonica	Japanese Pagoda Tree	50-75'	50-75'	White, slightly fragrant - August	upright-spreading, broadly rounded crown	Full sun to part shade	Medium	Insignificant	No	medium to fast	

Red Font= To Be Removed Wording
 Blue Font= To Be Added Wording

City of Westfield Master Tree List Shade Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Tilia cordata	Little Leaf Linden	50-70'	35-50'	Pale yellow, fragrant - late June, early July	upright-oval to pyramidal-rounded	Full sun to part shade	Medium	Pale green to pale yellow	No	medium	Bees attracted to flowers, also attract japanese beetles
Tilia tomentosa	Silver Linden	50-70'	30-50'	Pale yellow, fragrant - late June, early July	upright-oval to pyramidal-rounded	Full sun to part shade	Dry to medium	Pale green to pale yellow	No	medium	Bees attracted to flowers, also attract japanese beetles
Tilia x euchlora	Crimean Linden	40-60'	20-30'	Pale yellowish-white - July	upright-oval to pyramidal-rounded, lower branches skirt ground	Full sun to part shade	Medium	Pale green to pale yellow	Hybrid	slow to medium	Bees attracted to flowers, also attract japanese beetles
Ulmus parvifolia	Accolade® Elm, Lacebark Elm	40-50'	25-40'	Reddish Green - August to September	round-headed and pendulous to upright-spreading. Much variation	Full sun	Medium	Orange-Red	No	medium to fast	
Zelkova serrata	Japanese Zelkova	50-80'	50-80'	Green - April	low-branched, vase-shaped with ascending branches	Full sun	Medium	Red	No	medium, fast in youth	

City of Westfield Master Tree List Ornamental Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Ornamental Trees											
Acer griseum	Paperbark Maple	20-30'	15-25'	Green - April	upright-oval, oval or rounded	Full sun to part shade	Medium	Red	No	slow	
Acer palmatum	Japanese Maple	10-25'	10-25'	Reddish-purple - May and June	rounded to broad-rounded, branches often layered	Full sun to part shade	Medium	Yellow, red-purple or bronze	No	medium when young, slow with age	
Amelanchier canadensis	Shadblow Serviceberry, Thicket Serviceberry	20-25'	15-20'	White - late March	upright, suckering, tightly multi-stemmed	Full sun to part shade	Medium	Orange-red	No	medium	
Amelanchier x grandiflora	Autumn Brilliance Serviceberry	15-25'	15-25'	White - April	multi-stemmed, rounded crown	Full sun to part shade	Medium	Orange-red	Hybrid	slow to medium	
Amelanchier laevis	Allegheny Serviceberry	15-40'	15-40'	White - April, short lived	multi-stemmed, rounded crown	Full sun to part shade	Medium	Orange-red	Yes	medium	
Cercis canadensis	Eastern Redbud	20-25'	25-35'	Pink - late April to early May	trunk usually divided, spreading, flat-topped to rounded crown	Full sun to part shade	Medium	Yellow	Yes	medium	
Chionanthus virginicus	Fringetree	12-20'	12-20'	White, slightly fragrant - late May to early June	spreading, rather open, often wider than high. Wide range of shapes	Full sun to part shade	Medium	Yellow	No	slow	
Cornus alternifolia	Pagoda Dogwood	10-15'	12-20'	Yellowish-white, fragrant - late May to early June	spreading, low-branched. Broad horizontal branches form stratified layers	Full sun to part shade	Medium	Green-red	Yes	slow initially medium when established	
Cornus florida	Flowering Dogwood	15-25'	15-25'	White - mid May for 2 weeks	horizontally spreading lines, layered effect, flat-topped crown	Full sun to part shade	Medium	Green-yellow-red	Yes	slow initially medium when established	
Cornus kousa	Kousa Dogwood	15-25'	15-30'	White to pinkish - early June for about 6 weeks	rounded with distinct stratified branching. Strong horizontal lines	Full sun to part shade	Medium	Red	No	slow	
Cornus mas	Cornelian Cherry Dogwood	15-25'	15-20'	Yellow - late March or early April	multi-stemmed, oval-rounded outline, branching to ground	Full sun to part shade	Medium	Orange-red to red	No	medium	
Cornus racemosa	Gray Dogwood	10-15'	10-15'	White - early to mid June	strongly multi-stemmed, erect-growing, suckering	Full sun to part shade	Medium	Dark red	Yes	new shoots grow very fast, old very slow	
Crataegus crus-galli	Cockspur Hawthorn	25-35'	25-35'	White, odorous - May	broad-rounded, low-branched	Full sun	Medium	Yellow-orange-red	No	slow to medium	
Crataegus laevigata	English Hawthorn	15-20'	15-20'	White - mid May	shrubby, low-branched, round-topped	Full sun	Medium	Insignificant	No	slow	
Crataegus phaenopyrum	Washington Hawthorn	25-30'	25-30'	White - early June, short bloom	broadly oval to rounded, dense	Full sun	Medium	Orange-red	No	fast when young, slows with age	
Crataegus punctata	Dotted Hawthorn	20-25'	25-30'	White - May	usually wider than tall	Full sun	Medium	Red	Yes	slow to medium	
Crataegus viridis	Winter King Hawthorn	25-35'	25-35'	White - late May	rounded, spreading, dense	Full sun	Dry to medium	Orange-red	Yes	slow	

**City of Westfield Master Tree List
Ornamental Trees**

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Magnolia x soulangiana	Saucer Magnolia	20-25'	20-25'	White flushed with purple sometimes fragrant- mid to late April	multi-stemmed, pyramidal to rounded	Full sun to part shade	Medium	Light green	Hybrid	medium	
Magnolia stellata 'Royal Star'	Royal Star Magnolia	10-20'	8-15'	White - March to April	upright, densely branched, rounded	Full sun to part shade	Medium	Brownish-yellow	No	slow	
Magnolia virginiana	Sweet Bay Magnolia	10-35'	10-35'	White, lemon scented - mid June	multi-stemmed, open, upright-spreading	Full sun to part shade	Medium to wet	Brownish-yellow	Yes	medium to fast	
Malus species	Crabapples	15-25'	15-25'	Varies	range from low mound-like to marrow upright to pendulous	Full sun	Medium	Varies	Hybrid	varies	
Prunus cerasifera	Cherry Plum	15-25'	15-25'	White or slightly pink - April	twiggy and rounded, ascending spreading branches	Full sun to part shade	Medium	Insignificant	No	fast	
Prunus 'Kanzan'	Japanese Flowering Cherry	25-30'	25-30'	Deep pink - April	vase shape, ascending branching, spreading-rounded crown	Full sun to part shade	Medium	Yellow to orange-bronze	No	fast	
Prunus serrulata	Japanese Flowering Cherry	15-25'	15-25'	White to pink - April	vase shaped to rounded	Full sun to part shade	Medium	Yellow to bronze to red	No	medium	
Prunus subhirtella pendula	Weeping Cherry	20-25'	15-25'	Pink to white - late March to early April	gracefully weeping	Full sun to part shade	Medium	Yellow	No	fast	
Prunus virginiana	Choke Cherry	20-25'	15-20'	White - April to May	small, suckering, crooked branches and slenter twigs. Oval-rounded crown	Full sun to part shade	Dry to medium	Yellow to orange	Yes	fast	may naturalize
Syringa reticulata	Japanese Lilac Tree	20-30'	15-20'	White, fragrant - late May to June	somewhat oval to rounded crown, branches somewhat arching	Full sun	Medium	Insignificant	No	medium	

City of Westfield Master Tree List
Evergreen Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Evergreen Trees											
Abies concolor	White Fir	40-70'	20-30'	N/A	Conical	Full sun to part shade	Medium	Evergreen	No	slow to medium	
Chamaecyparis obtusa	Hinoki Cypress	50-75'	15-25'	N/A	tall, slender pyramid with spreading branches	Full sun to part shade	Medium	Evergreen	No	medium	
Chamaecyparis pisifera 'Filifera Aurea'	Japanese or Sawa False Cypress	6-20'	3-7'	N/A	pyramidal, loose open habit	Full sun to part shade	Medium	Evergreen	No	medium	
Juniperus chinensis 'Fairview'	Chinese Juniper	10-15'	4-9'	N/A	narrow-pyramidal,	Full sun	Medium	Evergreen	No	slow to medium	
Juniperus chinensis 'Perfecta'	Chinese Juniper	15-18'	6-8'	N/A	upright growth habit	Full sun	Medium	Evergreen	No	slow to medium	
Juniperus scopulorum 'Wichita Blue'	Rocky Mountain Juniper	10-15'	4-6'	N/A	pyramidal form variable from	Full sun	Medium	Evergreen	No	slow to medium	
Juniperus virginiana	Eastern Red Cedar	30-65'	8-25'	N/A	columnar to broadly pyramidal, pendulous with age	Full sun	Dry to medium	Evergreen	Yes	medium	
Juniperus virginiana 'Burkii'	Red Cedar	10-25'	4-10'	N/A	narrow to broad pyramidal	Full sun	Medium	Evergreen	Yes	medium	
Picea abies	Norway Spruce	40-60'	25-30'	N/A	pyramidal with pendulous branches	Full sun	Medium	Evergreen	No	medium to fast	
Picea glauca	White Spruce	46-60'	10-20'	N/A	tall, fairly narrow dense spire, compact and regular	Full sun	Medium	Evergreen	No	medium	
Picea omorika	Serbian Spruce	40-60'	15-20'	N/A	very slender trunk, narrow to broad pyramidal	Full sun to part shade	Medium	Evergreen	No	slow to medium	
Picea pungens	Colorado Spruce	30-60'	10-20'	N/A	dense, regular narrow to broad pyramid	Full sun	Medium	Evergreen	No	slow to medium	Seceptable to bagworm infestation
Picea pungens 'Fat Albert'	Fat Albert Colorado Spruce	10-15'	7-10'	N/A	dense upright pyramidal	Full sun	Medium	Evergreen	No	slow to medium	Seceptable to bagworm infestation
Picea pungens 'Hoopsii'	Hoopsii Colorado Spruce	30-50'	15-20'	N/A	dense, pyramidal with spreading branches. Glaucaous	Full sun	Medium	Evergreen	No	medium	Seceptable to bagworm infestation
Pinus bungeana	Lacebark Pine	30-50'	20-35'	N/A	pyramidal to rounded, can be flat-topped and broad-spreading	Full sun	Medium	Evergreen	No	slow	
Pinus strobus	Eastern White Pine	50-80'	20-40'	N/A	symmetrical soft pyramid	Full sun to part shade	Medium	Evergreen	Yes	one of the fastest pines	

City of Westfield Master Tree List
Evergreen Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Pinus sylvestris	Scots Pine	30-60'	30-40'	N/A	picturesque, open, wide-spreading and flat or round-topped, almost umbrella shaped	Full sun	Medium	Evergreen	No	medium when young, slow with age	
Pseudotsuga menziesii	Douglas Fir	40-80'	12-20'	N/A	open, spired pyramid	Full sun	Medium to wet	Evergreen	No	medium	
Tsuga canadensis	Canadian Hemlock	40-70'	25-35'	N/A	pendulously pyramidal	Part shade to full shade	Medium	Evergreen	No	medium	
Thuja occidentalis 'Smaragd'	American Arborvitae	12-14'	3-4'	N/A	compact, narrowly pyramidal	Full sun to part shade	Medium	Evergreen	No	slow to medium	
Thuja occidentalis 'Techny'	American Arborvitae	10-15'	6-10'	N/A	broad-based, pyramidal form	Full sun to part shade	Medium	Evergreen	No	slow	

City of Westfield Master Tree List

Drought Tolerant Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
<i>Drought Tolerant Trees</i>											
Crataegus viridis	Winter King Hawthorn	25-35'	25-35'	White - late May	rounded, spreading, dense	Full sun	Dry to medium	Orange-red	Yes	slow	
Diospyros virginiana	Persimmon	35-60'	25-35'	White to greenish yellow - May to June	slender oval-rounded crown, symmetrical	Full sun to part shade	Dry to medium	Yellow to red	Yes	slow to medium	
Juniperus virginiana	Eastern Red Cedar	30-65'	8-25'	N/A	varies from columnar to broadly pyramidal, pendulous with age	Full sun	Dry to medium	Evergreen	Yes	medium	
Koeleruteria paniculata	Golden Rain Tree	30-40'	30-40'	Yellow - July	dense, regular rounded outline	Full sun	Dry to medium	Gold to red	No	medium to fast	may naturalize
Prunus virginiana	Choke Cherry	20-25'	15-20'	White - April to May	small, suckering, crooked branches and slender twigs. Oval-rounded crown	Full sun to part shade	Dry to medium	Yellow to orange	Yes	fast	may naturalize
Pyrus calleryana 'Aristocrat'	Aristocrat Pear	25-35'	20-25'	White, slightly malodorous - late April to early May	oval to spreading, upright branching	Full sun	Dry to medium	Red	No	fast	Common for tree to split at the central branch junction after ten to fifteen years of growth
Pyrus calleryana 'Capital'	Capital Pear	25-35'	8-12'	White, slightly malodorous - late April to early May	oval to spreading, upright branching	Full sun	Dry to medium	Red	No	fast	Common for tree to split at the central branch junction after ten to fifteen years of growth
Quercus alba	White Oak	50-80'	50-80'	Yellowish green, insignificant, messy - May	upright-rounded to broad-rounded with wide-spreading branches	Full sun	Dry to medium	Striking reddish & purplish	Yes	slow to medium	
Quercus bicolor	Swamp White Oak	50-60'	50-60'	Yellowish-green - May	broad, open, round-topped crown. Short, limby trunk	Full sun	Dry to medium	Yellow, sometimes reddish purple	Yes	slow to medium	
Quercus macrocarpa	Bur Oak	60-80'	60-80'	Yellowish green, insignificant - April to May	pyramidal to oval	Full sun	Dry to medium	Copper	Yes	slow	
Quercus muehlenbergii	Chinkapin Oak	40-60'	50-60'	Yellowish green, insignificant, messy - May	open, rounded dense, oblong-oval to rounded crown	Full sun	Dry to medium	Showy yellow & long lasting	Yes	medium in youth, slow with age	
Quercus phellos	Willow Oak	40-75'	25-50'	Yellowish green, insignificant, messy - May	rounded and relatively dense	Full sun	Dry to medium	Yellow brown	No	medium	
Quercus prinus	Chestnut Oak	50-70'	50-70'	Yellowish-green, messy - May	rounded and relatively dense	Full sun	Dry to medium	Yellow brown	Yes	slow to medium	
Quercus rubra	Red Oak	50-75'	50-75'	Yellowish green, insignificant - May	round-topped and symmetrical broad open crown	Full sun	Dry to medium	Dark red, showy	Yes	fast if in rich moist well-drained soil	
Quercus shumardii	Schumard Oak	40-60'	30-40'	Greenish, messy - May	round-topped and symmetrical broad open crown	Full sun	Dry to medium	Brownish red	Yes	medium to fast	

**City of Westfield Master Tree List
Drought Tolerant Trees**

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Quercus velutina	Black Oak	50-60'	50-60'	Yellow-green, messy - May	globular, spreading crown	Full sun	Dry to medium	Orange to red	Yes	slow to medium	
Robinia 'Purple Robe'	Black Locust	30-40'	20-30'	Violet Purple - May to June	compact rounded	Full sun	Dry to medium	yellow	No	fast	invasive tendencies
Tilia tomentosa	Silver Linden	50-70'	30-50'	Pale yellow, fragrant - late June, early July	upright-oval to pyramidal-rounded	Full sun to part shade	Dry to medium	Pale green to pale yellow	No	medium	Bees attracted to flowers

City of Westfield Master Tree List

Wet Soil Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Wet Soil Trees											
Acer x freemanii	Freeman Maple	40-55'	30-40'	Greenish-yellow to red-rarely flowers	Varies from fastigate to columnar to round-crowned	Full sun to part shade	Medium to wet	orange-red to scarlet-red	Hybrid	medium to fast	
Acer rubrum	Red Maple	40-70'	30-50'	Red, sometimes yellow - late March or April	Irregular, Ovoid, or Rounded	Full sun to part shade	Medium to wet	Orange-red	Yes	medium to fast	
Alnus glutinosa	Black Alder	46-60'	20-40'	Reddish brown (male) purple (female) - March	weak to narrow pyramidal	Full sun to part shade	Medium to wet	insignificant	No	fast in youth slows with maturity	invasive
Asimina triloba	Pawpaw	15-25'	15-25'	Purple - early May	multi-stemmed, dense pyramidal or round-topped, tends to sucker	Full sun to part shade	Medium to wet	Yellow	Yes	medium	
Betula nigra	River Birch	40-70'	40-60'	brown (male), green (female) - around March	rounded, trunk usually divided	Full sun to part shade	Medium to wet	Yellowish	Yes	medium to fast	
Carya cordiformis	Bitternut Hickory	50-80'	30-50'	Green - April to May	irregular, cylindrical crown	Full sun to part shade	Medium to wet	yellow-orange	Yes	medium	Develop large taproot
Carya laciniosa	Shellbark Hickory	60-80'	40-60'	Greenish yellow - April to May	narrow oblong crown, high branching	Full sun	Medium to wet, inhabits wet bottomlands	Yellowish brown	Yes	medium	Develop large taproot
Catalpa speciosa	Northern Catalpa	40-70'	20-50'	Fragrant showy white with purple & yellow interior spotting orchid-like - May to June	narrow, open, irregular, oval crown	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium to fast	
Celtis laevigata	Sugar Hackberry	60-80'	60-80'	Green - late April to early May	rounded to broad rounded, often pendulous	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium	salt tolerant
Celtis occidentalis	Common Hackberry	60-80'	60-80'	Green - late April to early May	broad top of ascending arching branches	Full sun to part shade	Medium to wet	Undistinguished yellow	Yes	medium to fast	
Cercidiphyllum japonicum	Katsura Tree	60-70'	40-50'	N/A	greatly variable	Full sun to part shade	Medium to wet	Yellowish-red	No	medium to fast	
Magnolia virginiana	Sweet Bay Magnolia	10-35'	10-35'	White, lemon scented - mid June	multi-stemmed, open, upright-spreading	Full sun to part shade	Medium to wet	Brownish-yellow	Yes	medium to fast	
Metasequoia glyptostroboides	Dawn Redwood	70-100'	15-25'	N/A	feathery-pyramidal to broad-rounded crown	Full sun	Medium to wet	Brown	No	very fast	
Nyssa sylvatica	Black Gum, Black Tupelo	30-50'	20-30'	Greenish-white - May to June	irregularly rounded or flat-topped crown	Full sun to part shade	Medium to wet	Scarlet red	Yes	slow to medium	will not tolerate heavy pollution
Platanus x acerifolia	London Planetree	75-100'	60-75'	Yellow (male) red - (female) - April	wide-spreading open, irregular	Full sun	Medium to wet	Yellow brown	Hybrid	medium	
Platanus occidentalis	Sycamore	75-100'	75-100'	Yellow (male) red - (female) - late March	wide-spreading open, irregular	Full sun	Medium to wet	Yellow brown	Yes	medium to fast	
Pseudotsuga menziesii	Douglas Fir	40-80'	12-20'	N/A	open, spired pyramid	Full sun	Medium to wet	Evergreen	No	medium	

City of Westfield Master Tree List
Wet Soil Trees

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>
Salix alba	White Willow	50-80'	40-70'	Yellow (male) green (female) April to May	long branches with flexible stems forming broad open, round topped slender,	Full sun to part shade	Medium to wet	Pale yellow	No	very fast	invasive tendencies, surface roots out compete other vegetation and manmade structures
Taxodium distichum	Bald Cypress	50-75'	20-45'	N/A	pyramidal. Flat-topped and picturesque in age	Full sun	Medium to wet	Cinnamon brownish	No	medium	

Master Tree and Shrub List: 2011

for the City of Westfield, Indiana

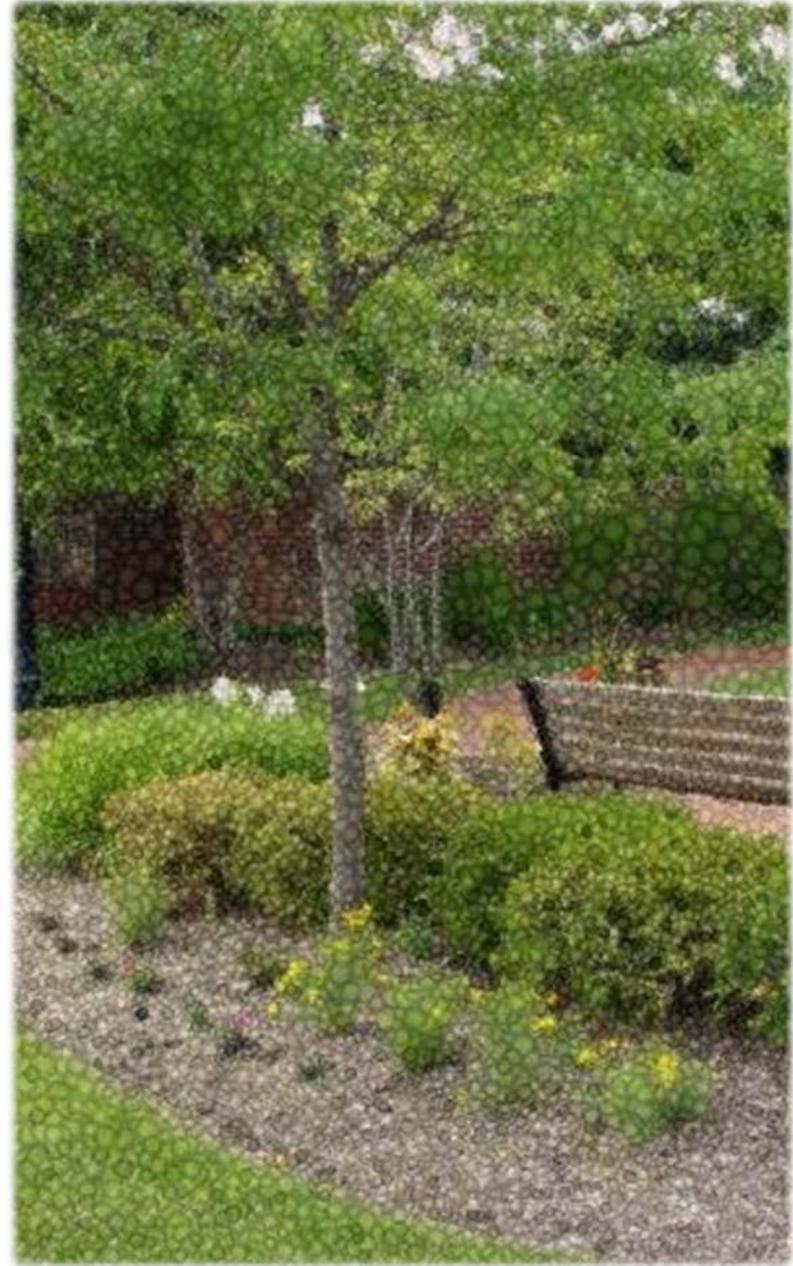


CITY OF
Westfield
Parks & Recreation

City of Westfield Master Shrub List

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City of Westfield Master Shrub List

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<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Large shrubs 13 ft. or greater												
Buddleia davidii	Orange-eye Butterfly Bush, summer lilac	10 - 15 ft	10 - 15 ft	lavender, lilac to purple, orange at the mouth, June	caned, arching, variable, rounded,	full sun	well-drained, moist	no fall color	No	Fast	Invasive, attracts butterflies	can become dense
Cornus mas	Corneliancherry Dogwood	20 - 25 ft	15 - 20 ft	yellow, March	oval-rounded outline, multi-stemmed, suckers, branch to ground	full sun to partial shade	rich, well-drained	purplish red, often poor	No	Medium	low branching	dense and compact
Cornus racemosa	Grey Dogwood	10 - 15 ft	10 - 15 ft	whitish, late May to early June	strongly multi-stemmed, erect-growing, suckering	sun to full shade	wet or dry soils	purplish red, often poor	Yes	Shoots: fast Old Wood: slow		medium
Elaeagnus umbellata	Autumn Olive	12 - 18 ft	12 - 18 ft	silvery white, May-June	spreading, often spiny-branched	shade	excellent drought tolerance	no fall color	No	Fast	incredibly salt tolerant (almost impossible to kill), invasive, nitrogen fixing	medium
Euonymus alatus	Burning Bush	15 - 20 ft	15 - 20 ft	yellow-green, May to early June	Mounded to horizontal, spreading, flat-topped shrub	full sun to heavy shade	needs moist, well-drained soil, not dry	brilliant red	No	Slow	may naturalize	medium
Hamamelis virginiana	Common Witchhazel	10 - 25 ft	10 - 20 ft	yellow, November-October	irregular, rounded, open crown. Large, crooked, spreading branches	full sun or shade	moist soil, avoid extremely dry	yellow	Yes	Medium		Tends toward openness
Ligustrum obtusifolium	Border Privet	10 - 12 ft	12 - 15 ft	white, early to mid-June, unpleasantly fragrant	multi-stemmed, broad horizontal branching	full sun to partial shade	very adaptable	russet to purplish	No	Medium	may naturalize	medium
Pinus mugo	Mugho Pine	5 - 20 ft	10 - 25 ft	monoecious	usually low, broad-spreading and bushy	sun or partial shade	deep, moist loam	evergreen	No	Slow		Dense
Taxus x media	Anglo-Japanese Yew	2 - 20 ft	2 - 20 ft	green	broad-pyramidal, variable	shade or sun	moist, sandy loam, well-drained	Evergreen	Hybrid	Slow		can become dense
Viburnum dentatum	Arrowwood Viburnum	6 - 15 ft	6 - 15 ft	white cream, May to early June	multi-stemmed, dense, rounded with spreading and arching branches, suckering	sun or partial shade	well drained	yellow to glossy red to reddish purple	Yes	Medium	may need occasional rejuvenation pruning	Dense
Viburnum lantana	Wayfaring Tree	10 - 15 ft	10 - 15 ft	white creamy, early to mid-May	rounded outline, often leggy	full sun to part shade	prefers well-drained, withstands dry	purplish red, often poor	No	Medium to slow	attracts birds	Medium to dense
Viburnum opulus	European Cranberry Bush	8 - 15 ft	8 - 15 ft	white, may	upright, spreading, multi-stemmed, arching branches	best in full sun	native to bog-like situations	yellow-red and reddish purple	No	Medium		dense and compact
Viburnum prunifolium	Black Haw	12 - 15 ft	8 - 12 ft	white creamy, May	round headed, stiffly branched	sun or shade	does well in dry soil	varies from purplish to red	Yes	Slow		Dense
Viburnum sieboldii	Siebold Viburnum	15 - 20 ft	10 - 15 ft	creamy white, late May	open with stiff, stout, rigid branches	part shade	needs moisture and well-drained soils	usually green, sometimes slightly purple	No	Medium		Dense center with open crown
Medium shrubs 6.5 to 12 ft.												
Acanthopanax sieboldianus (new name is now Eleutherococcus sieboldianus)	Fiveleaf Aralia	8 - 10 ft	8 - 10 ft	greenish white - yellow , May - June	Upright with arching stems which flop to form rounded outline	full sun to heavy shade	well drained soil	some degree of yellow - not consistent	No	Medium to fast	can be severely pruned	Medium

City of Westfield Master Shrub List

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<i>Calycanthus floridus</i>	Sweetshrub	6 - 9 ft	6 - 12 ft	dark red-brown maroon to almost red, May into June/July	dense, bushy, rounded or broad rounded. Often straggly and unkempt	sun or shade	moist loam	yellow	No	Medium	attracts rabbits	Dense in full sun, looser in shade
<i>Chaenomeles speciosa</i>	Flowering Quince	6 - 10 ft	6 - 10 ft	scarlet to red, April	rounded, broad-spreading, dense twiggy, variable	full sun or partial shade	does well in dry conditions	no fall color	No	Medium	branches spiny	Very dense
<i>Cornus alba</i>	Tatarian Dogwood	8 - 10 ft	5 - 10 ft	yellowish white, May-June	open, loose appearance, erect and arching, suckers	sun or partial shade	moist, well-drained	reddish purple	No	Rapid	bright red twigs in winter	Loose
<i>Cornus sericea</i>	Red Osier Dogwood	7 - 9 ft	7 - 10 ft	dull white, may to early june	loose, broad-spreading, rounded, multi-stemmed, horizontal branching at base	sun to full shade	best in moist soil, adaptable to many conditions	reddish purple	Yes	Rapid	bright red twigs in winter	Loose and somewhat open
<i>Forsythia x intermedia</i>	Border Forsythia	8 - 10 ft	10 - 12 ft	pale to deep yellow, March-April	rank-growing, upright and arching canes, suckers	full sun	moist, well-drained	green or yellow-green	Hybrid	Rapid		Loose and somewhat open
<i>Hamamelis vernalis</i>	Vernal Witchhazel	6 - 10 ft	8 - 12 ft	yellow to red, variable, January thru February	multi-stemmed, dense, rounded, neat but variable, suckers	full sun or 3/4 shade	best in moist	yellow to gold	No	Medium		Dense
<i>Hibiscus syriacus</i>	Rose-of-Sharon, Shrub Althea	8 - 12 ft	6 - 10 ft	white to red or purple or violet, or combinations, July, August thru September	erect but occasionally spreading, upright branches	full sun to partial shade	neither extremes, needs moist and well-drained	poor yellow	No	Medium	attracts japanese beetle	Medium, can become leggy at base
<i>Hydrangea quercifolia</i>	Oak Leaf Hydrangea	4 - 8 ft	4 - 8 ft	white, purplish pink, June-July	upright, little-branched, irregular, forms mounded colonies	sun or partial shade	moist, well-drained	red, orangish-brown, purple	Yes	Slow to medium		Medium to dense
<i>Ilex x meserveae</i>	Meserveae Holly	8 - 12 ft	8 - 12 ft	white, early April to May	pyramidal or rounded, horizontal or irregular branching	shade	well-drained	evergreen	Hybrid	Medium		Dense
<i>Ilex verticillata</i>	Winterberry, Black Alder, Coralberry, Michigan Holly	6 - 10 ft	6 - 10 ft	white	oval-rounded to broad-rounded, suckers	full sun or partial shade	wet soil, native to swampy conditions	yellow to purple tinged, not significant	Yes	Slow to medium		Medium
<i>Juniperus communis</i>	Common Juniper	5 - 10 ft	8 - 12 ft	staminate yellow	ascending and spreading branches, or a much-branched sprawling shrub	full sun	common on dry, sterile soils	evergreen	No	Slow	extremely soil tolerant	Dense
<i>Kolkwitzia amabilis</i>	Beautybush	6 - 10 ft	5 - 9 ft	pink, yellow, May-early June	upright arching, vase shaped, somewhat fountain like, leggy	full sun	well-drained	slightly yellowish to reddish	No	Slow		Medium to dense
<i>Ligustrum x vicaryi</i>	Golden Privet	10 - 12 ft	7 - 10 ft	white, May	somewhat vase shaped, oval-rounded,	full sun	dry to medium	no significant change	Hybrid	Fast	foliage will turn more green than yellow if not in full sun	Medium to dense
<i>Lindera benzoin</i>	Spicebush	6 - 12 ft	6 - 12 ft	yellow	rounded shrub outline, dense and full in full sun	full sun to part shade	moist, well-drained soils	yellow	No	Slow		Loose and open
<i>Myrica pensylvanica</i>	Northern Bayberry, Candleberry	5 - 12 ft	5 - 12 ft	yellowish green catkins, late march to april	upright-rounded, fairly dense, suckers	full sun to half shade	very adaptable	no significant fall change	No	Medium	very salt tolerant, nitrogen fixing	Dense

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Philadelphus coronarius	Sweet Mockorange	10 - 12 ft	10 - 12 ft	white, may to early June	rounded with stiff, straight, ascending branches that arch with age, leggy	full sun or light shade	moist, well-drained	no change in fall	No	Medium to fast		Leggy and open with age
Picea glauca 'conica'	Dwarf Alberta Spruce	10 - 12 ft	3 - 5 ft	pale red becoming yellow	broadly conical	full sun	moist loam, drought tolerant	evergreen	No	Medium		Dense when young, opens with age
Prunus x cistena	Purpleleaf Sand Cherry	7 - 10 ft	6 - 9 ft	pink, April - early May	small deciduous tree, fine texture	full sun	well-drained	leaves remain red	Hybrid	Fast	pollution tolerant	medium, leggy at base
Spiraea prunifolia	Bridalwreath Spirea	4 - 9 ft	6 - 8 ft	white, mid to late April	open, coarse, scraggly, often leggy, upright	full sun to light shade	prefers well-drained soil, adaptable	yellow-orange to purplish bronze	No	Medium		Open and loose
Syringa vulgaris	Common Lilac	8 - 15 ft	6 - 12 ft	lilac, early to mid May	upright leggy, irregular outline, cloud-like head of foliage	full sun	well-drained	poor fall color	No	Medium	lower part of branches don't have leaves	Medium
Thuja occidentalis 'woodwardi'	Globe Arborvitae	8 ft	18 ft	monoecious, terminal	globular form, wider than high	full sun	needs much well-drained moisture	brown	No	Medium		Dense and compact
Viburnum x burkwoodii	Burkwood Viburnum	8 - 10 ft	6 - 8 ft	pink to white, April	upright, multi-stemmed, straggly	full sun to partial shade	slightly moist, well-drained	sporadic wine red, evergreen in south	Hybrid	Slow to medium	Defoliated by sulfur sprays, prefers slightly acid soil	Medium
Viburnum dilatatum	Linden Viburnum	8 - 10 ft	6 - 8 ft	white, may to early June	upright, somewhat leggy, open to dense, variable	full sun to partial shade	moist soil	ranges from bronze to burgundy to russet-red	No	Slow to medium	may naturalize	leggy and open or dense and compact depending on form
Viburnum farreri	Fragrant Viburnum	8 - 12 ft	8 - 12 ft	pinkish red to white, mid-April	loose, unkempt and unruly	full sun to partial shade	moist soil	reddish purple	No	Slow		loose
Viburnum x juddii	Judd Viburnum	6 - 8 ft	6 - 8 ft	march-early april	full and rounded	full sun to partial shade	medium moisture, well-drained	purple	Hybrid	Slow to medium		medium
Viburnum plicatum	Doublefile Viburnum	8 - 10 ft	9 - 11 ft	white, may	horizontal, tiered branching, rounded to broad rounded	partial shade	moist, well drained soil, will not tolerate poor drainage	consistent reddish purple	No	Medium		Medium to dense
Viburnum x rhytidophylloides	Lantanaphyllum Viburnum	8 - 10 ft	8 - 10 ft	white cream, early to mid may	upright, spreading, slightly arching branches, rounded	full sun or partial shade	medium moisture, well-drained	semi-evergreen	Hybrid	Medium		Medium
Vitex agnus-castus	Chaste Tree	8 - 10 ft	8 - 10 ft	lilac or pale violet, June-July through September	broad spreading, multi-stemmed	full sun	medium	dies to ground in winter	No	Rapid	Does best in hot weather	Open
Weigela florida	Old-Fashioned Weigela	6 - 9 ft	9 - 12 ft	rosy pink outside, paler within, May-June	spreading, dense, rounded, coarse branches arching to ground	full sun	well-drained	no significant fall change	No	Medium to fast		Dense
Small shrubs 3 ft. to 6 ft.												
Abelia x grandiflora	Glossy Abelia	3 - 6 ft	3 - 6 ft	white-flushed pink, may-june	spreading, dense, rounded, multi-stemmed with arching branches, leggy	full sun to half shade	well-drained moist	bronze-green to bronze-red and bronze-purple, semi-evergreen	Hybrid	Fast		Dense

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Abeliophyllum distichum	White Forsythia, Korean Abelialeaf	3 - 5 ft	3 - 4 ft	white or faintly tinged pink, march-april	multi-stemmed, straggly, rounded, arching branches, disheveled	full sun or very light shade	well-drained	no significant fall change	No	Range from slow to fast, situation dependent		loose and open
Berberis thunbergii	Japanese Barberry	3 - 6 ft	4 - 7 ft	yellow, april-may	much-branched, very dense rounded	full sun	dry conditions	orange, scarlet, and reddish purple	No	Medium		Dense
Callicarpa japonica	Japanese Beautyberry	4 - 6 ft	4 - 6 ft	pink or white, lavender, july	bushy, rounded with arching branches	full sun or light shade	well-drained	pinkish lavender	No	Fast	cut down to 4 - 18" in winter	Medium
Caryopteris x clandonensis	Bluebeard, Blue-spirea, Blue-mist Shrub	2 - 3 ft	2 - 3 ft	blue to purple	mounding	full sun	fertile, well-drained soil	no fall color	Hybrid	Fast	excessive fertility results in rampant growth	Medium
Daphne x burkwoodii	Burkwood Daphne	3 - 4 ft	3 - 4 ft	pinkish tinged, white, May	dense, broad mounded form	full sun or partial shade	needs very well-drained soil and consistent moisture	semi-evergreen	Hybrid	Slow to medium		Dense
Deutzia gracilis	Slender deutzia	2 - 4 ft	3 - 4 ft	white, mid to late may	low, broad mound, slender ascending branches	full sun or very light shade	well-drained	tinge of purple, not significant	No	Slow to medium	prune after flowering	Medium to dense
Ilex glabra 'compacta'	Compact Inkberry Holly	4 - 6 ft	4 - 6 ft	creamy, late May	compact, oval-rounded habit, fine-textured branches, dense, leggy	full sun, shade tolerant	moist soil	evergreen	Yes	Slow, but suckers fast		Dense and compact
Juniperus sabina	Savin Juniper	4 - 6 ft	5 - 10 ft	non-flowering	extremely variable from ground cover to distinctly upright	full sun	does well in well-drained and dry soils	evergreen	No	Slow	withstands city conditions, prefers cold climate	Dense
Kerria japonica	Japanese Kerria, Japanese Rose	3 - 6 ft	6 - 9 ft	bright yellow, april to early may	distinctly upright-arching, broad rounded dense, twiggy, suckers	full shade	well-drained	some yellow, not significant	No	Slow to establish, fast with time	suckers freely and can colonize areas	Dense
Prunus glandulosa	Dwarf Flowering Almond	4 - 5 ft	3 - 4 ft	pink or white, late April to early May	spreading, weakly multi-stemmed, straggly	full sun to partial shade	moderately drought tolerant	not ornamentally important	No	Medium		Medium to open
Rhododendron PJM hybrids	PJM Rhododendrons	3 - 6 ft	3 - 6 ft	bright lavender pink, mid-late April	rounded	full sun to partial shade	moist, organic well-drained soil	plum purple evergreen	Hybrid	Slow to medium		Dense
Rhodotypos scandens	Jetbead	3 - 6 ft	4 - 9 ft	white, May to early June	mounded, loosely branched, ascending somewhat arching branches, often shabby	full sun or shade	variable	green tinged with yellow	No	Fast		Dense
Rhus aromatica 'Gro Lo'	Gro Lo Fragrant Sumac	2 - 6 ft	6 - 10 ft	yellowish, mid to late March - April	low, irregular spreading, suckering, dense	full sun to 3/4 shade	well drained soil	orange to red to reddish purple	No	Slow		Dense
Symphoricarpos x chenaultii	Chenault Coralberry	3 - 6 ft	3 - 6 ft	pink	spreading, loose-branched, fine textured	full sun to partial shade	medium	no significant fall color	Hybrid	Medium to fast	potential as a groundcover	Dense
Syringa patula 'Miss Kim'	Miss Kim Lilac,	3 ft	3 ft	icy blue, May-June	oval-rounded	full sun to partial shade	normal to moist	reddish purple	No	Slow to medium		Dense
Taxus canadensis	Canada Yew	3 - 6 ft	6 - 8 ft	March and April, ornamentally unimportant	prostrate, soose, straggling	part shade	moist, sandy loam, will not tolerate drought	reddish brown tint	Yes	Slow		Loose

Dwarf shrubs 3 ft. or less

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Buxus microphylla	Littleleaf Boxwood	3 - 4 ft	3 - 4 ft	March-April, not showy but fragrant	much-branched, compact, dense, rounded or broad-rounded	full sun or light shade	requires cool, moist conditions	evergreen	No	Slow		Dense and compact
Chamaecyparis obtusa 'nana'	Hinoki False Cypress	3 ft	4 ft	yellow	broad and conical "wavy" branches, flat topped, irregular	sunny but protected	moist, well-drained	evergreen	No	Very slow	a 90 year old specimen was 20" high and 25" wide	Dense
Comptonia peregrina	Sweet Fern	2 - 4 ft	4 - 8 ft	yellow-green, april or early may	slender, often erect branches, broad, flat-topped to rounded outline	full sun to partial shade	variable, moist	green to brown not attractive	No	Slow to medium	nitrogen fixing. Not easily transplanted	medium to dense
Cotoneaster apiculatus	Cranberry Cotoneaster	3 ft	3 - 6 ft	pinkish, late May to early June	low, wide-spreading with stiff branching pattern, mounding, dense	full sun to partial shade	moist, well-drained, drought tolerant	bronzy red or purplish	No	Slow, can be optimized with water and fertilization	may collect debris in winter	Dense
Cotoneaster horizontalis	Rockspray Cotoneaster	2 - 3 ft	5 - 8 ft	pink, late May to early June	low, flat, dense, horizontally spreading branches, tiered layered effect	full sun or light shade	moist, well-drained, does well in dry soils	reddish purple	No	Slow to medium		Dense
Fothergilla gardenii	Dwarf Fothergilla	2 - 3 ft	2 - 3 ft	white, April to early May	slender, crooked, often spreading branches, rounded outline, dense, suckers	full sun to partial shade	moist, well-drained	brilliant yellow to orange to scarlet	No	Slow		Dense
Juniperus chinensis 'pfitzerana compacta'	Nick's Compact Juniper	1 - 1.5 ft	6 ft	yellow brown to orange yellow, March	bushy, compact	full sun	moist, well-drained, tolerates dry soil when established	evergreen	No	Slow		Dense
Potentilla fruticosa	Bush Cinquefoil	1 - 4 ft	2 - 4 ft	bright buttercup yellow, June	very bushy, upright slender stems, low rounded to broad rounded outline	full sun for best flowering, survives partial shade	withstands poor, dry soils; best in fertile well-drained soil	green to yellow-brown	Yes	Slow	Does not do well in hot weather	Dense
Spiraea x bumalda 'anthony waterer'	Anthony Waterer Spirea	3 - 4 ft	4 - 5 ft	carmine-pink, late May to June	broad, flat-topped, low, densely twiggy with erect branches, often mounded, relatively refined	full sun	cannot tolerate extremely wet	wine red to russet red	Hybrid	Fast	may naturalize	Dense
Taxus baccata 'repandens'	Dwarf English Yew	2 - 4 ft	12 - 15 ft	green, march - april	pendulous tips to branches, dense	sun or shade	moist, must be very well-drained	evergreen	No	Slow		Dense
Tsuga canadensis 'Abbott's Pygmy'	Canadian Hemlock	1.5 ft	1.5 ft	non-flowering	dense, pyramidal	part shade to full shade	not drought tolerant	evergreen	No	?Medium		Dense
Tsuga canadensis 'Gracilis'	Canadian Hemlock	2 - 3 ft	4 - 5 ft	non-flowering	flat topped, spreading, dwarf, broad drooping branches and an open center	part shade to full shade	medium	evergreen	No	?Medium		Dense
Tsuga canadensis 'Stockman's Dwarf'	Canadian Hemlock	1.5 - 3 ft	2 - 4 ft	non-flowering	upright, conical, densely needled, drooping end of branches	part shade to full shade	medium	evergreen	No	?Medium		Dense

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Yucca filamentosa	Yucca or Adam's Needle	2 - 4 ft	2 - 4 ft	white, July-August	low, stiffly erect and spreading leaves	full sun to partial shade	variety of soil moisture, not excessively wet	evergreen	No	Medium to slow		Thick leaves, coarse texture, open
Ground Covers 1.5 ft. or less												
Aegopodium podagraria	Bishop's Weed or Gout Weed	0.5 - 1 ft	1 - 1.5 ft	white, May to June	forms continuous mounds of groundcover	full sun to partial shade	dry to medium		No	Fast	considered invasive in many states	Dense
Ajuga reptans	Bugleweed	0.5 - 0.75 ft	0.5 - 1 ft	blue, May to June	dense, rapidly spreading, mat-forming	partial shade to full shade	medium, well-drained	evergreen	No	Fast	attracts bumblebees, will spread by root runners	Dense
Arundinaria variegata	Dwarf Whitestripe Bamboo or Gardener's Garters	1 - 2 ft		rarely flowers	spreading	full sun to partial shade	medium to moist, well-drained	evergreen				
Convallaria majalis	Lilly of the Valley	0.5 - 1 ft	0.75 - 1 ft	white, April	perennial, rhizomatous	part shade to full shade	medium		No	Fast	deer resistant, may naturalize	Medium
Cotoneaster dammeri	Bearberry Cotoneaster	1 - 2 ft	6 ft	white, late May	very low, prostrate, slender, creeping stems, becomes woolly and ragged	full sun to partial shade	well-drained soil		No	Fast	attracts bees	Medium
Epimedium x perralchicum 'Frohnlaiten'	Barrenwort	0.5 - 1 ft	1 - 1.5 ft	yellow, april to may	rhizomatous, clump-forming perennial	part shade to full shade	dry to medium	evergreen, zone 6 and warmer	Hybrid	Slow	mottled red leaves	Dense
Galium odoratum	Sweet Woodruff	0.5 - 1 ft	0.75 - 1.5 ft	white, april to may	mat-forming perennial groundcover	part shade to full shade	medium to wet		No	Medium to fast	can grow aggressively in favorable conditions	Dense
Hedera helix 'thorndale'	Baltic or Thornadle English Ivy	0.5 ft		greenish white, september-october	low groundcover, rooting at nodes	full sun or heavy shade	moist, organic, well-drained		No	Fast	Invasive. Mature plants develop shrub form	Dense
Hosta (Tardiana Group) 'Halcyon'	Hosta	1.5 - 2 ft	2.5 - 3 ft	Lilac-blue, August	mound of flat, spear-shaped, heavily-textured, blue-green leaves	part shade to full shade	medium, well-drained, kept moist in summer	no significant change	No	Medium	attracts birds	Dense
Hosta (Tardiana Group) 'June'	Hosta	0.75 - 1 ft	2 - 2.5 ft	pale lavender, july - august	mound of thick, variegated leaves with gold centers and irregular blue-green margins	part shade to full shade	medium	no significant change	No	Medium to slow		Dense
Hypericum calycinum	Aaron's beard St. John's Wort	1 - 1.5 ft	1 - 1.5 ft	bright yellow, June	stoloniferous subshrub or shrublet, frequently planted as a groundcover	full sun or partial shade	does well in poor sandy soil		No	Fast		Dense
Juniperus chinensis 'san jose'	San Jose Juniper	1 - 2 ft	6 - 8 ft	yellow brown to orange yellow, March	spreads irregularly	full sun	moist, well-drained, tolerates dry soil when established	evergreen	No	Medium to slow	tolerant of urban conditions	Dense
Juniperus conferta	Shore Juniper	1 - 2 ft	6 - 9 ft	inconspicuous	dense, bushy, procumbent	full sun	does not tolerate excess soil moisture	evergreen	No	Slow	salt tolerant	Dense
Juniperus horizontalis	Creeping Juniper	1 - 2 ft	4 - 8 ft	inconspicuous	low-growing, procumbent with long, trailing branches forming mats	full sun	withstands hot dry situations	evergreen	No	Medium	salt tolerant, blue green in summer, purple in winter	Dense

City of Westfield Master Shrub List

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Juniperus procumbens	Japanese Garden Juniper	1 - 2 ft	10 - 15 ft	staminate yellow	dwarf, long wide-spreading stiff branches	needs full sun	thrives in adverse conditions	evergreen	No	Slow	easily transplantable	Dense
Liriope spicata	Creeping Lilyturf or Liriope	0.75 - 1.5 ft	1 - 2 ft	Lavender to white, August to September	rhizomatous, grass-like perennial. Forms clumps of narrow, arching, glossy, dark green leaves	full sun to partial shade	medium, drought tolerant	evergreen	No	Medium to fast		Dense
Pachysandra terminalis	Japanese Spurge	0.5 - 1 ft		white, March to early April	groundcover spreading by rhizomes and forming a solid mat	prefers shade, yellows in sun, lives in deep shade	moist, well-drained soils	evergreen	No	Medium to slow		Dense
Rosa Wichuraiana	Memorial Rose	1 ft	8 - 16 ft	pure white with rich yellow stamens, fragrant, June and July	procumbent shrub, long green canes trailing over the ground and rooting, will climb if supported	sun	well-drained soil		No	Fast		Dense
Viburnum opulus 'nanum'	Dwarf Cranberrybush	1.5 - 2 ft	2 - 3 ft	usually no flowers	upright, spreading, multi-stemmed, rounded	full sun to partial shade	will not stand wet, poorly drained	yellow-red to purplish	No	Medium to slow	may need occasional rejuvenation pruning	Dense and compact
Vinca minor	Common Periwinkle	3 - 6 in	spreads many feet, needs a boundary	lilac-blue, March to April	Low growing, prostrate, mat-forming, spreading indefinitely	full sun or shade, prefers some shade	moist, well-drained soils	evergreen	No	Fast	invasive tendency	Dense
<i>Vines and Climbers</i>												
Actinidia arguta	Bower Actinidia, Tara Vine	25 - 30 ft		whitish or greenish white, May to June	Vigorous, high climbing, twining vine which requires support	full sun or partial shade	very adaptable, can thrive in rock hard clay	yellowish green	No	Fast	fruit is edible - kiwi	Dense
Akebia quinata	Fiveleaf Akebia	20 - 40 ft		Chocolate purple to rosy purple, March to early April	Twining vine or rampant groundcover	sun or shade	adaptable to drought and moisture	no fall color	No	Fast		Dense
Campsis radicans	Trumpet Creeper or Trumpetvine	30 - 40 ft		corolla rich orange and scarlet, June to September	rampant, clinging, strangling vine, suckers profusely	full sun	adaptable, as long as soil is not waterlogged	yellowish green	Yes	Fast	invasive	Dense
Celastrus scandens	American Bittersweet	20 ft		yellowish white, May to June	vigorous, twining vine or vine-like shrub which engulfs every fence in sight	full sun for best fruiting	withstands dry conditions, plant in poor soil to restrict vigor		Yes	Fast	Often confused with oriental bittersweet, which is invasive	Dense
Clematis terniflora (paniculata)	Sweetautumn Clematis	10 - 20 ft		white, August into September and October	rampant, rampaging vine, will engulf structures	full sun to partial shade	medium, well-drained		No	Medium to fast	Can become invasive	Dense
Hedera helix	English Ivy	up to 90 ft		greenish white, September to October	high-climbing, true-clinging vine attaching itself to structures	full sun or heavy shade	growth is maximized in rich, moist organic, well-drained soil	evergreen	No	Fast		Dense

City of Westfield Master Shrub List

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Hydrangea anomala	Climbing Hydrangea	60 - 80 ft		white, late June to early July	true clinging vine, climbs by root-like holdfasts, branches protrude out from structure	full sun or shade	requires rich, well-drained, moist soil		No	Slow to establish, gradually increases	Will grow as a mounding shrub without supportive structure	Dense
Lonicera sempervirens	Trumpet Honeysuckle, Coral Honeysuckle	10 - 20 ft		variable in color from orange-red to red on outside and yellow to yellow-orange inside, April	twining vine, not as vigorous or rampant as Lonicera japonica, Akebia, and Wisteria needs support	full sun for best flower, tolerates dense shade	moist, well-drained soil		Yes	Fast	somewhat aggressive	Dense
Parthenocissus quinquefolia	Virginia Creeper, Woodbine	30 - 50 ft or more		greenish white, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	will thrive in almost any condition, very hardy	purple-red to crimson-red	Yes	Fast	will climb on anything, very aggressive	Dense
Parthenocissus tricuspidata	Boston Ivy	30 - 50 ft or more		yellow green, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	fairly adaptable	purple-red to crimson-red	No	Very fast	Invasive. Will climb on anything, very aggressive	Dense
Polygonum aubertii	China or Silver Fleecevine, Silver Lace Vine, Russian Vine	25 - 35 ft		white or greenish white, sometimes slightly pinkish, July to August through September	Twining deciduous vine of rampant growth	full sun or shade	does well in dry soils		No	Fast	Invasive	Dense
Wisteria floribunda	Japanese Wisteria	30 - 40 ft		violet or violet-blue, April to May	stout vine, climbs by twining stems which curve clockwise to develop twisted woody trunks, requires significant support	full sun	deep, moist, well-drained soil	no significant fall color	No	Fast	Invasive. Needs strong supports to hold the vine's weight	Dense
Wisteria frutescens	American Wisteria	20 - 30 ft		pale lilac-purple, June to August	stout vine, climbs by twining stems which curve clockwise to develop twisted woody trunks, requires significant support	full sun	occurs naturally along moist shores of streams, ponds, and lakes		Yes	Fast		Dense

City of Westfield Master Shrub List

Full Sun Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Full Sun Shrubs												
Abelia x grandiflora	Glossy Abelia	3 - 6 ft	3 - 6 ft	white-flushed pink, may-june	spreading, dense, rounded, multi-stemmed with arching branches, leggy	full sun to half shade	well-drained moist	bronze-green to bronze-red and bronze-purple, semi-evergreen	Hybrid	Fast		Dense
Abeliophyllum distichum	White Forsythia, Korean Abelialeaf	3 - 5 ft	3 - 4 ft	white or faintly tinged pink, march-april	multi-stemmed, straggly, rounded, arching branches, disheveled	full sun or very light shade	well-drained	no significant fall change	No	Range from slow to fast, situation dependent		loose and open
Acanthopanax sieboldianus (new name is now Eleutherococcus sieboldianus)	Fiveleaf Aralia	8 - 10 ft	8 - 10 ft	greenish white - yellow , May-June	Upright with arching stems which flop to form rounded outline	full sun to heavy shade	well drained soil	some degree of yellow - not consistent	No	Medium to fast	can be severely pruned	Medium
Actinidia arguta	Bower Actinidia, Tara Vine	25 - 30 ft		whitish or greenish white, May to June	Vigorous, high climbing, twining vine which requires support	full sun or partial shade	very adaptable, can thrive in rock hard clay	yellowish green	No	Fast	fruit is edible - kiwi	Dense
Aegopodium podagraria	Bishop's Weed or Gout Weed	0.5 - 1 ft	1 - 1.5 ft	white, May to June	forms continuous mounds of groundcover	full sun to partial shade	dry to medium		No	Fast	considered invasive in many states	Dense
Arundinaria variegata	Dwarf Whitestripe Bamboo or Gardener's Garters	1 - 2 ft		rarely flowers	spreading	full sun to partial shade	medium to moist, well-drained	evergreen				
Berberis thunbergii	Japanese Barberry	3 - 6 ft	4 - 7 ft	yellow, april-may	much-branched, very dense rounded	full sun	dry conditions	orange, scarlet, and reddish purple	No	Medium		Dense
Buddleia davidii	Orange-eye Butterfly Bush, summer lilac	10 - 15 ft	10 - 15 ft	lavender, lilac to purple, orange at the mouth, June	caned, arching, variable, rounded, much-branched, compact, dense, rounded or broad-rounded	full sun	well-drained, moist	no fall color	No	Fast	Invasive, attracts butterflies	can become dense
Buxus microphylla	Littleleaf Boxwood	3 - 4 ft	3 - 4 ft	March-April, not showy but fragrant	March-April, not showy but fragrant	full sun or light shade	requires cool, moist conditions	evergreen	No	Slow		Dense and compact
Callicarpa japonica	Japanese Beautyberry	4 - 6 ft	4 - 6 ft	pink or white, lavender, July	bushy, rounded with arching branches	full sun or light shade	well-drained	pinkish lavender	No	Fast	cut down to 4 - 18" in winter	Medium
Calycanthus floridus	Sweetshrub	6 - 9 ft	6 - 12 ft	dark red-brown maroon to almost red, May into June/July	dense, bushy, rounded or broad rounded. Often straggly and unkempt	sun or shade	moist loam	yellow	No	Medium	attracts rabbits	Dense in full sun, looser in shade
Campsis radicans	Trumpet Creeper or Trumpetvine	30 - 40 ft		corolla rich orange and scarlet, June to September	rampant, clinging, strangling vine, suckers profusely	full sun	adaptable, as long as soil is not waterlogged	yellowish green	Yes	Fast	invasive	Dense
Caryopteris x clandonensis	Bluebeard, Blue-spirea, Blue-mist Shrub	2 - 3 ft	2 - 3 ft	blue to purple	mounding	full sun	fertile, well-drained soil	no fall color	Hybrid	Fast	excessive fertility results in rampant growth	Medium
Celastrus scandens	American Bittersweet	20 ft		yellowish white, May to June	vigorous, twining vine or vine-like shrub which engulfs every fence in sight	full sun for best fruiting	withstands dry conditions, plant in poor soil to restrict vigor		Yes	Fast	Often confused with oriental bittersweet, which is invasive	Dense
Chaenomeles speciosa	Flowering Quince	6 - 10 ft	6 - 10 ft	scarlet to red, April	rounded, broad-spreading, dense twiggy, variable	full sun or partial shade	does well in dry conditions	no fall color	No	Medium	branches spiny	Very dense

City of Westfield Master Shrub List
Full Sun Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Chamaecyparis obtusa 'nana'	Hinoki False Cypress	3 ft	4 ft	yellow	broad and conical "wavy" branches, flat topped, irregular	sunny but protected	moist, well-drained	evergreen	No	Very slow	a 90 year old specimen was 20" high and 25" wide	Dense
Clematis terniflora (paniculata)	Sweetautumn Clematis	10 - 20 ft		white, August into September and October	rampant, rampaging vine, will engulf structures	full sun to partial shade	medium, well-drained					
Comptonia peregrina	Sweet Fern	2 - 4 ft	4 - 8 ft	yellow-green, april or early may	slender, often erect branches, broad, flat-topped to rounded outline	full sun to partial shade	variable, moist	green to brown not attractive	No	Slow to medium	nitrogen fixing. Not easily transplanted	medium to dense
Cornus alba	Tatarian Dogwood	8 - 10 ft	5 - 10 ft	yellowish white, May-June	open, loose appearance, erect and arching, suckers	sun or partial shade	moist, well-drained	reddish purple	No	Rapid	bright red twigs in winter	Loose
Cornus mas	Corneliancherry Dogwood	20 - 25 ft	15 - 20 ft	yellow, March	oval-rounded outline, multi-stemmed, suckers, branch to ground	full sun to partial shade	rich, well-drained	purplish red, often poor	No	Medium	low branching	dense and compact
Cornus sericea	Red Osier Dogwood	7 - 9 ft	7 - 10 ft	dull white, may to early june	loose, broad-spreading, rounded, multi-stemmed, horizontal branching at base	sun to full shade	best in moist soil, adaptable to many conditions	reddish purple	Yes	Rapid	bright red twigs in winter	Loose and somewhat open
Cotoneaster apiculatus	Cranberry Cotoneaster	3 ft	3 - 6 ft	pinkish, late May to early June	low, wide-spreading with stiff branching pattern, mounding, dense	full sun to partial shade	moist, well-drained, drought tolerant	bronzy red or purplish	No	Slow, can be optimized with water and fertilization	may collect debris in winter	Dense
Cotoneaster dammeri	Bearberry Cotoneaster	1 - 2 ft	6 ft	white, late May	very low, prostrate, slender, creeping stems, becomes woolly and ragged	full sun to partial shade	well-drained soil		No	Fast	attracts bees	Medium
Cotoneaster horizontalis	Rockspray Cotoneaster	2 - 3 ft	5 - 8 ft	pink, late May to early June	low, flat, dense, horizontally spreading branches, tiered layered effect	full sun or light shade	moist, well-drained, does well in dry soils	reddish purple	No	Slow to medium		Dense
Daphne x burkwoodii	Burkwood Daphne	3 - 4 ft	3 - 4 ft	pinkish tinged, white, May	dense, broad mounded form	full sun or partial shade	needs very well-drained soil and consistent moisture	semi-evergreen	Hybrid	Slow to medium		Dense
Deutzia gracilis	Slender deutzia	2 - 4 ft	3 - 4 ft	white, mid to late may	low, broad mound, slender ascending branches	full sun or very light shade	well-drained	tinge of purple, not significant	No	Slow to medium	prune after flowering	Medium to dense
Euonymus alatus	Burning Bush	15 - 20 ft	15 - 20 ft	yellow-green, May to early june	Mounded to horizontal, spreading, flat-topped shrub	full sun to heavy shade	needs moist, well-drained soil, not dry	brilliant red	No	Slow	may naturalize	medium
Forsythia x intermedia	Border Forsythia	8 - 10 ft	10 - 12 ft	pale to deep yellow, March-April	rank-growing, upright and arching canes, suckers	full sun	moist, well-drained	green or yellow-green	Hybrid	Rapid		Loose and somewhat open
Fothergilla gardenii	Dwarf Fothergilla	2 - 3 ft	2 - 3 ft	white, April to early May	slender, crooked, often spreading branches, rounded outline, dense, suckers	full sun to partial shade	moist, well-drained	brilliant yellow to orange to scarlet	No	Slow		Dense

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Full Sun Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Hamamelis vernalis	Vernal Witchhazel	6 - 10 ft	8 - 12 ft	yellow to red, variable, January thru February	multi-stemmed, dense, rounded, neat but variable, suckers	full sun or 3/4 shade	best in moist	yellow to gold	No	Medium		Dense
Hamamelis virginiana	Common Witchhazel	10 - 25 ft	10 - 20 ft	yellow, November-October	irregular, rounded, open crown. Large, crooked, spreading branches	full sun or shade	moist soil, avoid extremely dry	yellow	Yes	Medium		Tends toward openness
Hedera helix	English Ivy	up to 90 ft		greenish white, September to October	high-climbing, true-clinging vine attaching itself to structures	full sun or heavy shade	growth is maximized in rich, moist organic, well-drained soil	evergreen	No	Fast		Dense
Hedera helix 'thorndale'	Baltic or Thornadle English Ivy	0.5 ft		greenish white, september-october	low groundcover, rooting at nodes	full sun or heavy shade	moist, organic, well-drained		No	Fast	Invasive. Mature plants develop shrub form	Dense
Hibiscus syriacus	Rose-of-Sharon, Shrub Althea	8 - 12 ft	6 - 10 ft	white to red or purple or violet, or combinations, July, August thru September	erect but occasionally spreading, upright branches	full sun to partial shade	neither extremes, needs moist and well-drained	poor yellow	No	Medium	attracts japanese beetle	Medium, can become leggy at base
Hydrangea anomala	Climbing Hydrangea	60 - 80 ft		white, late June to early July	true clinging vine, climbs by root-like holdfasts, branches protrude out from structure	full sun or shade	requires rich, well-drained, moist soil		No	Slow to establish, gradually increases	Will grow as a mounding shrub without supportive structure	Dense
Hydrangea quercifolia	Oak Leaf Hydrangea	4 - 8 ft	4 - 8 ft	white, purplish pink, June-July	upright, little-branched, irregular, forms mounded colonies	sun or partial shade	moist, well-drained	red, orangish-brown, purple	Yes	Slow to medium		Medium to dense
Hypericum calycinum	Aaronsbeard St. John's Wort	1 - 1.5 ft	1 - 1.5 ft	bright yellow, June	stoloniferous subshrub or shrublet, frequently planted as a groundcover	full sun or partial shade	does well in poor sandy soil		No	Fast		Dense
Ilex glabra 'compacta'	Compact Inkberry Holly	4 - 6 ft	4 - 6 ft	creamy, late May	compact, oval-rounded habit, fine-textured branches, dense, leggy	full sun, shade tolerant	moist soil	evergreen	Yes	Slow, but suckers fast		Dense and compact
Ilex verticillata	Winterberry, Black Alder, Coralberry, Michigan Holly	6 - 10 ft	6 - 10 ft	white	oval-rounded to broad-rounded, suckers	full sun or partial shade	wet soil, native to swampy conditions	yellow to purple tinged, not significant	Yes	Slow to medium		Medium
Juniperus chinensis 'pfitzerana compacta'	Nick's Compact Juniper	1 - 1.5 ft	6 ft	yellow brown to orange yellow, March	bushy, compact	full sun	moist, well-drained, tolerates dry soil when established	evergreen	No	Slow		Dense
Juniperus chinensis 'san jose'	San Jose Juniper	1 - 2 ft	6 - 8 ft	yellow brown to orange yellow, March	spreads irregularly	full sun	moist, well-drained, tolerates dry soil when established	evergreen	No	Medium to slow	tolerant of urban conditions	Dense
Juniperus communis	Common Juniper	5 - 10 ft	8 - 12 ft	staminate yellow	ascending and spreading branches, or a much-branched sprawling shrub	full sun	common on dry, sterile soils	evergreen	No	Slow	extremely soil tolerant	Dense
Juniperus conferta	Shore Juniper	1 - 2 ft	6 - 9 ft	inconspicuous	dense, bushy, procumbent	full sun	does not tolerate excess soil moisture	evergreen	No	Slow	salt tolerant	Dense

City of Westfield Master Shrub List
Full Sun Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Juniperus horizontalis	Creeping Juniper	1 - 2 ft	4 - 8 ft	inconspicuous	low-growing, procumbent with long, trailing branches forming mats	full sun	withstands hot dry situations	evergreen	No	Medium	salt tolerant, blue green in summer, purple in winter	Dense
Juniperus procumbens	Japanese Garden Juniper	1 - 2 ft	10 - 15 ft	staminate yellow	dwarf, long wide-spreading stiff branches	needs full sun	thrives in adverse conditions	evergreen	No	Slow	easily transplantable	Dense
Juniperus sabina	Savin Juniper	4 - 6 ft	5 - 10 ft	non-flowering	extremely variable from ground cover to distinctly upright	full sun	does well in well-drained and dry soils	evergreen	No	Slow	withstands city conditions, prefers cold climate	Dense
Kolkwitzia amabilis	Beautybush	6 - 10 ft	5 - 9 ft	pink, yellow, May-early June	upright arching, vase shaped, somewhat fountain like, leggy	full sun	well-drained	slightly yellowish to reddish	No	Slow		Medium to dense
Ligustrum obtusifolium	Border Privet	10 - 12 ft	12 - 15 ft	white, early to mid-June, unpleasantly fragrant	multi-stemmed, broad horizontal branching	full sun to partial shade	very adaptable	russet to purplish	No	Medium	may naturalize	medium
Ligustrum x vicaryi	Golden Privet	10 - 12 ft	7 - 10 ft	white, May	somewhat vase shaped, oval-rounded,	full sun	dry to medium	no significant change	Hybrid	Fast	foliage will turn more green than yellow if not in full sun	Medium to dense
Lindera benzoin	Spicebush	6 - 12 ft	6 - 12 ft	yellow	rounded shrub outline, dense and full in full sun	full sun to part shade	moist, well-drained soils	yellow	No	Slow		Loose and open
Liriope spicata	Creeping Lilyturf or Liriope	0.75 - 1.5 ft	1 - 2 ft	Lavender to white, August to September	rhizomatous, grass-like perennial. Forms clumps of narrow, arching, glossy, dark green leaves	full sun to partial shade	medium, drought tolerant	evergreen	No	Medium to fast		Dense
Lonicera sempervirens	Trumpet Honeysuckle, Coral Honeysuckle	10 - 20 ft		variable in color from orange-red to red on outside and yellow to yellow-orange inside, April	twining vine, not as vigorous or rampant as Lonicera japonica, Akebia, and Wisteria, needs support	full sun for best flower, tolerates dense shade	moist, well-drained soil		Yes	Fast	somewhat aggressive	Dense
Myrica pensylvanica	Northern Bayberry, Candleberry	5 - 12 ft	5 - 12 ft	yellowish green catkins, late march to april	upright-rounded, fairly dense, suckers	full sun to half shade	very adaptable	no significant fall change	No	Medium	very salt tolerant, nitrogen fixing	Dense
Parthenocissus quinquefolia	Virginia Creeper, Woodbine	30 - 50 ft or more		greenish white, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	will thrive in almost any condition, very hardy	purple-red to crimson-red	Yes	Fast	will climb on anything, very aggressive	Dense

City of Westfield Master Shrub List

Full Sun Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Parthenocissus tricuspidata	Boston Ivy	30 - 50 ft or more		yellow green, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	fairly adaptable	purple-red to crimson-red	No	Very fast	Invasive. Will climb on anything, very aggressive	Dense
Philadelphus coronarius	Sweet Mockorange	10 - 12 ft	10 - 12 ft	white, may to early June	rounded with stiff, straight, ascending branches that arch with age, leggy	full sun or light shade	moist, well-drained	no change in fall	No	Medium to fast		Leggy and open with age
Picea glauca 'conica'	Dwarf Alberta Spruce	10 - 12 ft	3 - 5 ft	pale red becoming yellow	broadly conical	full sun	moist loam, drought tolerant	evergreen	No	Medium		Dense when young, opens with age
Polygonum aubertii	China or Silver Fleecevine, Silver Lace Vine, Russian Vine	25 - 35 ft		white or greenish white, sometimes slightly pinkish, July to August through September	Twining deciduous vine of rampant growth	full sun or shade	does well in dry soils		No	Fast	Invasive	Dense
Potentilla fruticosa	Bush Cinquefoil	1 - 4 ft	2 - 4 ft	bright buttercup yellow, June	very bushy, upright slender stems, low rounded to broad rounded outline	full sun for best flowering, survives partial shade	withstands poor, dry soils; best in fertile well-drained soil	green to yellow-brown	Yes	Slow	Does not do well in hot weather	Dense
Prunus glandulosa	Dwarf Flowering Almond	4 - 5 ft	3 - 4 ft	pink or white, late April to early May	spreading, weakly multi-stemmed, straggly	full sun to partial shade	moderately drought tolerant	not ornamentally important	No	Medium		Medium to open
Prunus x cistena	Purpleleaf Sand Cherry	7 - 10 ft	6 - 9 ft	pink, April - early May	small deciduous tree, fine texture	full sun	well-drained	leaves remain red	Hybrid	Fast	pollution tolerant	medium, leggy at base
Rhododendron PJM hybrids	PJM Rhododendrons	3 - 6 ft	3 - 6 ft	bright lavender pink, mid-late April	rounded	full sun to partial shade	moist, organic well-drained soil	plum purple evergreen	Hybrid	Slow to medium		Dense
Rhodotypos scandens	Jetbead	3 - 6 ft	4 - 9 ft	white, May to early June	mounded, loosely branched, ascending somewhat arching branches, often shabby	full sun or shade	variable	green tinged with yellow	No	Fast		Dense
Rhus aromatica 'Gro Lo'	Gro Lo Fragrant Sumac	2 - 6 ft	6 - 10 ft	yellowish, mid to late March - April	low, irregular spreading, suckering, dense	full sun to 3/4 shade	well drained soil	orange to red to reddish purple	No	Slow		Dense
Rosa Wichuraiana	Memorial Rose	1 ft	8 - 16 ft	pure white with rich yellow stamens, fragrant, June and July	procumbent shrub, long green canes trailing over the ground and rooting, will climb if supported	sun	well-drained soil		No	Fast		Dense
Spiraea x bumalda 'anthony waterer'	Anthony Waterer Spirea	3 - 4 ft	4 - 5 ft	carmine-pink, late May to June	broad, flat-topped, low, densely twiggy with erect branches, often mounded, relatively refined	full sun	cannot tolerate extremely wet	wine red to russet red	Hybrid	Fast	may naturalize	Dense
Spiraea prunifolia	Bridalwreath Spirea	4 - 9 ft	6 - 8 ft	white, mid to late April	open, coarse, scraggly, often leggy, upright	full sun to light shade	prefers well-drained soil, adaptable	yellow-orange to purplish bronze	No	Medium		Open and loose

City of Westfield Master Shrub List
Full Sun Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Symphoricarpos x chenaultii	Chenault Coralberry	3 - 6 ft	3 - 6 ft	pink	spreading, loose-branched, fine textured	full sun to partial shade	medium	no significant fall color	Hybrid	Medium to fast	potential as a groundcover	Dense
Syringa patula 'Miss Kim'	Miss Kim Lilac,	3 ft	3 ft	icy blue, May-June	oval-rounded	full sun to partial shade	normal to moist	reddish purple	No	Slow to medium		Dense
Syringa vulgaris	Common Lilac	8 - 15 ft	6 - 12 ft	lilac, early to mid May	upright leggy, irregular outline, cloud-like head of foliage	full sun	well-drained	poor fall color	No	Medium	lower part of branches don't have leaves	Medium
Thuja occidentalis 'woodwardi'	Globe Arborvitae	8 ft	18 ft	monoecious, terminal	globular form, wider than high	full sun	needs much well-drained moisture	brown	No	Medium		Dense and compact
Viburnum x burkwoodii	Burkwood Viburnum	8 - 10 ft	6 - 8 ft	pink to white, April	upright, multi-stemmed, straggly	full sun to partial shade	slightly moist, well-drained	sporadic wine red, evergreen in south	Hybrid	Slow to medium	Defoliated by sulfur sprays, prefers slightly acid soil	Medium
Viburnum dilatatum	Linden Viburnum	8 - 10 ft	6 - 8 ft	white, may to early June	upright, somewhat leggy, open to dense, variable	full sun to partial shade	moist soil	ranges from bronze to burgundy to russet-red	No	Slow to medium	may naturalize	leggy and open or dense and compact depending on form
Viburnum farreri	Fragrant Viburnum	8 - 12 ft	8 - 12 ft	pinkish red to white, mid-April	loose, unkempt and unruly	full sun to partial shade	moist soil	reddish purple	No	Slow		loose
Viburnum x juddii	Judd Viburnum	6 - 8 ft	6 - 8 ft	march-early april	full and rounded	full sun to partial shade	medium moisture, well-drained	purple	Hybrid	Slow to medium		medium
Viburnum lantana	Wayfaring Tree	10 - 15 ft	10 - 15 ft	white creamy, early to mid-May	rounded outline, often leggy	full sun to part shade	prefers well-drained, withstands dry	purplish red, often poor	No	Medium to slow	attracts birds	Medium to dense
Viburnum opulus	European Cranberry Bush	8 - 15 ft	8 - 15 ft	white, may	upright, spreading, multi-stemmed, arching branches	best in full sun	native to bog-like situations	yellow-red and reddish purple	No	Medium		dense and compact
Viburnum opulus 'nanum'	Dwarf Cranberrybush	1.5 - 2 ft	2 - 3 ft	usually no flowers	upright, spreading, multi-stemmed, rounded	full sun to partial shade	will not stand wet, poorly drained	yellow-red to purplish	No	Medium to slow	may need occational rejuvenation pruning	Dense and compact
Viburnum prunifolium	Black Haw	12 - 15 ft	8 - 12 ft	white creamy, May	round headed, stiffly branched	sun or shade	does well in dry soil	varies from purplish to red	Yes	Slow		Dense
Viburnum x rhytidophylloides	Lantanaphyllum Viburnum	8 - 10 ft	8 - 10 ft	white cream, early to mid may	upright, spreading, slightly arching branches, rounded	full sun or partial shade	medium moisture, well-drained	semi-evergreen	Hybrid	Medium		Medium
Vitex agnus-castus	Chaste Tree	8 - 10 ft	8 - 10 ft	lilac or pale violet, June-July through September	broad spreading, multi-stemmed	full sun	medium	dies to ground in winter	No	Rapid	Does best in hot weather	Open
Weigela florida	Old-Fashioned Weigela	6 - 9 ft	9 - 12 ft	rosy pink outside, paler within, May-June	spreading, dense, rounded, coarse branches arching to ground	full sun	well-drained	no significant fall change	No	Medium to fast		Dense
Wisteria floribunda	Japanese Wisteria	30 - 40 ft		violet or violet-blue, April to May	stout vine, climbs by twining stems which curve clockwise to develop twisted woody trunks, requires significant support	full sun	deep, moist, well-drained soil	no significant fall color	No	Fast	Invasive. Needs strong supports to hold the vine's weight	Dense

City of Westfield Master Shrub List

Full Sun Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Wisteria frutescens	American Wisteria	20 - 30 ft		pale lilac-purple, June to August	stout vine, climbs by twining stems which curve clockwise to develop twisted woody trunks, requires significant support	full sun	occurs naturally along moist shores of streams, ponds, and lakes		Yes	Fast		Dense
Yucca filamentosa	Yucca or Adam's Needle	2 - 4 ft	2 - 4 ft	white, July-August	low, stiffly erect and spreading leaves	full sun to partial shade	variety of soil moisture, not excessively wet	evergreen	No	Medium to slow		Thick leaves, coarse texture, open

City of Westfield Master Shrub List
Shade Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Shade Shrubs												
Abelia x grandiflora	Glossy Abelia	3 - 6 ft	3 - 6 ft	white-flushed pink, may-june	spreading, dense, rounded, multi-stemmed with arching branches, leggy	full sun to half shade	well-drained moist	bronze-green to bronze-red and bronze-purple, semi-evergreen	Hybrid	Fast		Dense
Acanthopanax sieboldianus (new name is now Eleutherococcus sieboldianus)	Fiveleaf Aralia	8 - 10 ft	8 - 10 ft	greenish white - yellow , May-June	Upright with arching stems which flop to form rounded	full sun to heavy shade	well drained soil	some degree of yellow - not consistent	No	Medium to fast	can be severely pruned	Medium
Ajuga reptans	Bugleweed	0.5 - 0.75 ft	0.5 - 1 ft	blue, May to June	dense, rapidly spreading, mat-forming	partial shade to full shade	medium, well-drained	evergreen	No	Fast	attracts bumblebees, will spread by root runners	Dense
Convallaria majalis	Lilly of the Valley	0.5 - 1 ft	0.75 - 1 ft	white, April	perennial, rhizomatous	part shade to full shade	medium		No	Fast	deer resistant, may naturalize	Medium
Cornus racemosa	Grey Dogwood	10 - 15 ft	10 - 15 ft	whitish, late May to early June	strongly multi-stemmed, erect-growing,	sun to full shade	wet or dry soils	purplish red, often poor	Yes	Shoots: fast Old Wood: slow		medium
Cornus sericea	Red Osier Dogwood	7 - 9 ft	7 - 10 ft	dull white, may to early june	loose, broad-spreading, rounded, multi-stemmed, horizontal branching at base	sun to full shade	best in moist soil, adaptable to many conditions	reddish purple	Yes	Rapid	bright red twigs in winter	Loose and somewhat open
Elaeagnus umbellata	Autumn Olive	12 - 18 ft	12 - 18 ft	silvery white, May-June	spreading, often spiny-branched	shade	excellent drought tolerance	no fall color	No	Fast	incredibly salt tolerant (almost impossible to kill), invasive, nitrogen fixing	medium
Epimedium x perralchicum 'Frohnleiten'	Barrenwort	0.5 - 1 ft	1 - 1.5 ft	yellow, april to may	rhizomatous, clump-forming perennial	part shade to full shade	dry to medi	evergreen, zone 6 and warmer	Hybrid	Slow	mottled red leaves	Dense
Euonymus alatus	Burning Bush	15 - 20 ft	15 - 20 ft	yellow-green, May to early june	Mounded to horizontal, spreading, flat-topped shrub	full sun to heavy shade	needs moist, well-drained soil, not dry	brilliant red	No	Slow	may naturalize	medium
Galium odoratum	Sweet Woodruff	0.5 - 1 ft	0.75 - 1.5 ft	white, april to may	mat-forming perennial groundcover	part shade to full shade	medium to wet		No	Medium to fast	can grow aggressively in favorable conditions	Dense
Hamamelis virginiana	Common Witchhazel	10 - 25 ft	10 - 20 ft	yellow, November-October	irregular, rounded, open crown. Large, crooked, spreading branches	full sun or shade	moist soil, avoid extremely dry	yellow	Yes	Medium		Tends toward openness
Hamamelis vernalis	Vernal Witchhazel	6 - 10 ft	8 - 12 ft	yellow to red, variable, January thru February	multi-stemmed, dense, rounded, neat but variable, suckers	full sun or 3/4 shade	best in moist	yellow to gold	No	Medium		Dense

City of Westfield Master Shrub List
Shade Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Hedera helix	English Ivy	up to 90 ft		greenish white, September to October	high-climbing, true-clinging vine attaching itself to structures	full sun or heavy shade	growth is maximized in rich, moist organic, well-drained soil	evergreen	No	Fast		Dense
Hedera helix 'thorndale'	Baltic or Thornadle English Ivy	0.5 ft		greenish white, september-october	low groundcover, rooting at nodes	full sun or heavy shade	moist, organic, well-drained		No	Fast	Invasive. Mature plants develop shrub form	Dense
Hydrangea anomala	Climbing Hydrangea	60 - 80 ft		white, late June to early July	true clinging vine, climbs by root-like holdfasts, branches protrude out from structure	full sun or shade	requires rich, well-drained, moist soil		No	Slow to establish, gradually increases	Will grow as a mounding shrub without supportive structure	Dense
Ilex glabra 'compacta'	Compact Inkberry Holly	4 - 6 ft	4 - 6 ft	creamy, late May	compact, oval-rounded habit, fine-textured branches, dense, leggy	full sun, shade tolerant	moist soil	evergreen	Yes	Slow, but suckers fast		Dense and compact
Ilex x meserveae	Meserveae Holly	8 - 12 ft	8 - 12 ft	white, early April to May	pyramidal or rounded, horizontal or irregular branching	shade	well-drained	evergreen	Hybrid	Medium		Dense
Lonicera sempervirens	Trumpet Honeysuckle, Coral Honeysuckle	10 - 20 ft		variable in color from orange-red to red on outside and yellow to yellow-orange inside, April	twining vine, not as vigorous or rampant as Lonicera japonica, Akebia, and Wisteria, needs support	full sun for best flower, tolerates dense shade	moist, well-drained soil		Yes	Fast	somewhat aggressive	Dense
Myrica pensylvanica	Northern Bayberry, Candleberry	5 - 12 ft	5 - 12 ft	yellowish green catkins, late march to april	upright-rounded, fairly dense, suckers	full sun to half shade	very adaptat	no significant fall change	No	Medium	very salt tolerant, nitrogen fixing	Dense
Pachysandra terminalis	Japanese Spurge	0.5 - 1 ft		white, March to early April	groundcover spreading by rhizomes and forming a solid mat	prefers shade, yellows in sun, lives in deep shade	moist, well-drained soils	evergreen	No	Medium to slow		Dense
Parthenocissus quinquefolia	Virginia Creeper, Woodbine	30 - 50 ft or more		greenish white, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	will thrive in almost any condition, very hardy	purple-red to crimson-red	Yes	Fast	will climb on anything, very aggressive	Dense

City of Westfield Master Shrub List
Shade Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Parthenocissus tricuspidata	Boston Ivy	30 - 50 ft or more		yellow green, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	fairly adaptable	purple-red to crimson-red	No	Very fast	Invasive. Will climb on anything, very aggressive	Dense
Polygonum aubertii	China or Silver Fleecevine, Silver Lace Vine, Russian Vine	25 - 35 ft		white or greenish white, sometimes slightly pinkish, July to August through September	Twining deciduous vine of rampant growth	full sun or shade	does well in dry soils		No	Fast	Invasive	Dense
Rhodotypos scandens	Jetbead	3 - 6 ft	4 - 9 ft	white, May to early June	mounded, loosely branched, ascending somewhat arching branches, often shabby	full sun or shade	variable	green tinged with yellow	No	Fast		Dense
Rhus aromatica 'Gro Lo'	Gro Lo Fragrant Sumac	2 - 6 ft	6 - 10 ft	yellowish, mid to late March - April	low, irregular spreading, suckering, dense	full sun to 3/4 shade	well drained soil	orange to red to reddish purple	No	Slow		Dense
Taxus x media	Anglo-Japanese Yew	2 - 20 ft	2 - 20 ft	green	broad-pyramidal, variable	shade or sun	moist, sandy loam, well-drained	Evergreen	Hybrid	Slow		can become dense
Tsuga canadensis 'Abbott's Pygmy'	Canadian Hemlock	1.5 ft	1.5 ft	non-flowering	dense, pyramidal	part shade to full shade	not drought tolerant	evergreen	No	?Medium		Dense
Tsuga canadensis 'Gracilis'	Canadian Hemlock	2 - 3 ft	4 - 5 ft	non-flowering	flat topped, spreading, dwarf, broad drooping branches and an open center	part shade to full shade	medium	evergreen	No	?Medium		Dense
Tsuga canadensis 'Stockman's Dwarf'	Canadian Hemlock	1.5 - 3 ft	2 - 4 ft	non-flowering	upright, conical, densely needled, drooping end of branches	part shade to full shade	medium	evergreen	No	?Medium		Dense
Vinca minor	Common Periwinkle	3 - 6 in	spreads many feet, needs a boundary	lilac-blue, March to April	Low growing, prostrate, mat-forming, spreading indefinitely	full sun or shade, prefers some shade	moist, well-drained soils	evergreen	No	Fast	invasive tendency	Dense

**City of Westfield Master Shrub List
Ornamental Shrubs**

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Ornamental Shrubs (Flowering)												
Abelia x grandiflora	Glossy Abelia	3 - 6 ft	3 - 6 ft	white-flushed pink, may-june	spreading, dense, rounded, multi-stemmed with arching branches, leafy	full sun to half shade	well-drained moist	bronze-green to bronze-red and bronze-purple, semi-evergreen	Hybrid	Fast		Dense
Abeliophyllum distichum	White Forsythia, Korean Abelialeaf	3 - 5 ft	3 - 4 ft	white or faintly tinged pink, march-april	multi-stemmed, straggly, rounded, arching branches, disheveled	full sun or very light shade	well-drained	no significant fall change	No	Range from slow to fast, situation dependent		loose and open
Ajuga reptans	Bugleweed	0.5 - 0.75 ft	0.5 - 1 ft	blue, May to June	dense, rapidly spreading, mat-forming	partial shade to full shade	medium, well-drained	evergreen	No	Fast	attracts bumblebees, will spread by root runners	Dense
Berberis thunbergii	Japanese Barberry	3 - 6 ft	4 - 7 ft	yellow, april-may	much-branched, very dense rounded	full sun	dry conditor	orange, scarlet, and reddish purple	No	Medium		Dense
Buddleia davidii	Orange-eye Butterfly Bush, summer lilac	10 - 15 ft	10 - 15 ft	lavender, lilac to purple, orange at the mouth, June	cane, arching, variable, rounded, dense, bushy, rounded or broad rounded. Often straggly and unkemot	full sun	well-drained,	no fall color	No	Fast	invasive, attracts butterflies	can become dense
Calycanthus floridus	Sweetshrub	6 - 9 ft	6 - 12 ft	dark red-brown maroon to almost red, May into June/July		sun or shade	moist loam	yellow	No	Medium	attracts rabbits	Dense in full sun, looser in shade
Campsis radicans	Trumpet Creeper or Trumpetvine	30 - 40 ft		corolla rich orange and scarlet, June to September	rampant, clinging, strangling vine, suckers profusely	full sun	adaptable, as long as soil is not waterlogged	yellowish green	Yes	Fast	invasive	Dense
Caryopteris x clandonensis	Bluebeard, Blue-spirea, Blue-mist Shrub	2 - 3 ft	2 - 3 ft	blue to purple	mounding	full sun	fertile, well-drained soil	no fall color	Hybrid	Fast	excessive fertility results in rampant growth	Medium
Celastrus scandens	American Bittersweet	20 ft		yellowish white, May to June	vigorous, twining vine or vine-like shrub which engulfs every fence in sight	full sun for best fruiting	withstands dry conditions, plant in poor soil to restrict		Yes	Fast	Often confused with oriental bittersweet, which is invasive	Dense
Chaenomeles speciosa	Flowering Quince	6 - 10 ft	6 - 10 ft	scarlet to red, April	rounded, broad-spreading, dense twiggy, variable	full sun or partial shade	does well in dry conditions	no fall color	No	Medium	branches spiny	Very dense
Clematis terniflora (paniculata)	Sweetautumn Clematis	10 - 20 ft		white, August into September and October	rampant, rampaging vine, will engulf structures	full sun to partial shade	medium, well-drained					
Convallaria majalis	Lilly of the Valley	0.5 - 1 ft	0.75 - 1 ft	white, April	perennial, rhizomatous oval-rounded	part shade to full shade	medium		No	Fast	deer resistant, may naturalize	Medium
Cornus mas	Corneliancherry Dogwood	20 - 25 ft	15 - 20 ft	yellow, March	outline, multi-stemmed, suckers, branch to ground	full sun to partial shade	rich, well-drained	purplish red, often poor	No	Medium	low branching	dense and compact
Cornus racemosa	Grey Dogwood	10 - 15 ft	10 - 15 ft	whitish, late May to early June	strongly multi-stemmed, erect-growing, suckering	sun to full shade	wet or dry soils	purplish red, often poor	Yes	Shoots: fast Old Wood: slow		medium
Cornus sericea	Red Osier Dogwood	7 - 9 ft	7 - 10 ft	dull white, may to early june	loose, broad-spreading, rounded, multi-stemmed, horizontal branching at base	sun to full shade	best in moist soil, adaptable to many conditions	reddish purple	Yes	Rapid	bright red twigs in winter	Loose and somewhat open
Cotoneaster apiculatus	Cranberry Cotoneaster	3 ft	3 - 6 ft	pinkish, late May to early June	low, wide-spreading with stiff branching pattern, mounding, dense	full sun to partial shade	moist, well-drained, drought tolerant	bronzey red or purplish	No	Slow, can be optimized with water and fertilization	may collect debris in winter	Dense

City of Westfield Master Shrub List
Ornamental Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Cotoneaster dammeri	Bearberry Cotoneaster	1 - 2 ft	6 ft	white, late May	very low, prostrate, slender, creeping stems, becomes woolly and ragged	full sun to partial shade	well-drained soil		No	Fast	attracts bees	Medium
Cotoneaster horizontalis	Rockspray Cotoneaster	2 - 3 ft	5 - 8 ft	pink, late May to early June	low, flat, dense, horizontally spreading branches, tiered layered effect	full sun or light shade	moist, well-drained, does well in dry soils	reddish purple	No	Slow to medium		Dense
Daphne x burkwoodii	Burkwood Daphne	3 - 4 ft	3 - 4 ft	pinkish tinged, white, May	dense, broad mounded form	full sun or partial shade	needs very well-drained soil and consistent	semi-evergreen	Hybrid	Slow to medium		Dense
Deutzia gracilis	Slender deutzia	2 - 4 ft	3 - 4 ft	white, mid to late may	low, broad mound, slender ascending branches	full sun or very light shade	well-drained	tinge of purple, not significant	No	Slow to medium	prune after flowering	Medium to dense
Elaeagnus umbellata	Autumn Olive	12 - 18 ft	12 - 18 ft	silvery white, May-June	spreading, often spiny-branched	shade	excellent drought tolerance	no fall color	No	Fast	incredibly salt tolerant (almost impossible to kill), invasive, nitrogen fixing	medium
Epimedium x perrallicum 'Frohnliten'	Barrenwort	0.5 - 1 ft	1 - 1.5 ft	yellow, april to may	rhizomatous, clump-forming perennial	part shade to full shade	dry to medium	evergreen, zone 6 and warmer	Hybrid	Slow	mottled red leaves	Dense
Forsythia x intermedia	Border Forsythia	8 - 10 ft	10 - 12 ft	pale to deep yellow, March-April	rank-growing, upright and arching canes, suckers	full sun	moist, well-drained	green or yellow-green	Hybrid	Rapid		Loose and somewhat open
Fothergilla gardenii	Dwarf Fothergilla	2 - 3 ft	2 - 3 ft	white, April to early May	slender, crooked, often spreading branches, rounded outline, dense, suckers	full sun to partial shade	moist, well-drained	brilliant yellow to orange to scarlet	No	Slow		Dense
Galium odoratum	Sweet Woodruff	0.5 - 1 ft	0.75 - 1.5 ft	white, april to may	mat-forming perennial groundcover	part shade to full shade	medium to wet		No	Medium to fast	can grow aggressively in favorable conditions	Dense
Hamamelis vernalis	Vernal Witchhazel	6 - 10 ft	8 - 12 ft	yellow to red, variable, January thru February	multi-stemmed, dense, rounded, neat but variable, suckers	full sun or 3/4 shade	best in moist	yellow to gold	No	Medium		Dense
Hamamelis virginiana	Common Witchhazel	10 - 25 ft	10 - 20 ft	yellow, November-October	irregular, rounded, open crown. Large, crooked, spreading branches	full sun or shade	moist soil, avoid extremely dry	yellow	Yes	Medium		Tends toward openness
Hibiscus syriacus	Rose-of-Sharon, Shrub Althea	8 - 12 ft	6 - 10 ft	white to red or purple or violet, or combinations, July, August thru September	erect but occasionally spreading, upright branches	full sun to partial shade	neither extremes, needs moist and well-drained	poor yellow	No	Medium	attracts japanese beetle	Medium, can become leggy at base
Hydrangea quercifolia	Oak Leaf Hydrangea	4 - 8 ft	4 - 8 ft	white, purplish pink, June-July	upright, little-branched, irregular, forms mounded colonies	sun or partial shade	moist, well-drained	red, orangish-brown, purple	Yes	Slow to medium		Medium to dense
Hypericum calycinum	Aaronsbeard St. John's Wort	1 - 1.5 ft	1 - 1.5 ft	bright yellow, June	stoloniferous subshrub or shrublet, frequently planted as a groundcover	full sun or partial shade	does well in poor sandy soil		No	Fast		Dense
Ilex x meserveae	Meserveae Holly	8 - 12 ft	8 - 12 ft	white, early April to May	pyramidal or rounded, horizontal or irregular branching	shade	well-drained	evergreen	Hybrid	Medium		Dense
Kerria japonica	Japanese Kerria, Japanese Rose	3 - 6 ft	6 - 9 ft	bright yellow, april to early may	distinctly upright-arching, broad rounded dense, twiggy, suckers	full shade	well-drained	some yellow, not significant	No	Slow to establish, fast with time	suckers freely and can colonize areas	Dense

City of Westfield Master Shrub List
Ornamental Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Kolkwitzia amabilis	Beautybush	6 - 10 ft	5 - 9 ft	pink, yellow, May-early June	upright arching, vase shaped, somewhat fountain like, leggy	full sun	well-drained	slightly yellowish to reddish	No	Slow		Medium to dense
Ligustrum obtusifolium	Border Privet	10 - 12 ft	12 - 15 ft	white, early to mid-June, unpleasantly fragrant	multi-stemmed, broad horizontal branching	full sun to partial shade	very adaptable	russet to purplish	No	Medium	may naturalize	medium
Ligustrum x vicaryi	Golden Privet	10 - 12 ft	7 - 10 ft	white, May	somewhat vase shaped, oval-rounded,	full sun	dry to medium	no significant change	Hybrid	Fast	foliage will turn more green than yellow if not in full sun	Medium to dense
Lindera benzoin	Spicebush	6 - 12 ft	6 - 12 ft	yellow	rounded shrub outline, dense and full in full sun	full sun to part shade	moist, well-drained soils	yellow	No	Slow		Loose and open
Liriope spicata	Creeping Lilyturf or Liriope	0.75 - 1.5 ft	1 - 2 ft	Lavender to white, August to September	rhizomatous, grass-like perennial. Forms clumps of narrow, arching, glossy, dark green leaves	full sun to partial shade	medium, drought tolerant	evergreen	No	Medium to fast		Dense
Philadelphus coronarius	Sweet Mockorange	10 - 12 ft	10 - 12 ft	white, may to early June	rounded with stiff, straight, ascending branches that arch with age, leggy	full sun or light shade	moist, well-drained	no change in fall	No	Medium to fast		Leggy and open with age
Polygonum aubertii	China or Silver Fleecevine, Silver Lace Vine, Russian Vine	25 - 35 ft		white or greenish white, sometimes slightly pinkish, July to August through September	Twining deciduous vine of rampant growth	full sun or shade	does well in dry soils		No	Fast	Invasive	Dense
Potentilla fruticosa	Bush Cinquefoil	1 - 4 ft	2 - 4 ft	bright buttercup yellow, June	very bushy, upright slender stems, low rounded to broad rounded outline	full sun for best flowering, survives partial shade	withstands poor, dry soils; best in fertile well-drained soil	green to yellow-brown	Yes	Slow	Does not do well in hot weather	Dense
Prunus x cistena	Purpleleaf Sand Cherry	7 - 10 ft	6 - 9 ft	pink, April - early May	small deciduous tree, fine texture	full sun	well-drained	leaves remain red	Hybrid	Fast	pollution tolerant	medium, leggy at base
Prunus glandulosa	Dwarf Flowering Almond	4 - 5 ft	3 - 4 ft	pink or white, late April to early May	spreading, weakly multi-stemmed, straggly	full sun to partial shade	moderately drought tolerant	not ornamentally important	No	Medium		Medium to open
Rhododendron PJM hybrids	PJM Rhododendrons	3 - 6 ft	3 - 6 ft	bright lavender pink, mid-late April	rounded	full sun to partial shade	moist, organic well-drained soil	plum purple evergreen	Hybrid	Slow to medium		Dense
Rhodotypos scandens	Jetbead	3 - 6 ft	4 - 9 ft	white, May to early June	mounded, loosely branched, ascending somewhat arching branches, often shabby	full sun or shade	variable	green tinged with yellow	No	Fast		Dense
Rosa Wichuraiana	Memorial Rose	1 ft	8 - 16 ft	pure white with rich yellow stamens, fragrant, June and July	procumbent shrub, long green canes trailing over the ground and rooting, will climb if supported	sun	well-drained soil		No	Fast		Dense
Spiraea x bumalda 'anthony waterer'	Anthony Waterer Spirea	3 - 4 ft	4 - 5 ft	carmine-pink, late May to June	broad, flat-topped, low, densely twiggy with erect branches, often mounded, relatively refined	full sun	cannot tolerate extremely wet	wine red to russet red	Hybrid	Fast	may naturalize	Dense
Spiraea prunifolia	Bridalwreath Spirea	4 - 9 ft	6 - 8 ft	white, mid to late April	open, coarse, scraggly, often leggy, upright	full sun to light shade	prefers well-drained soil, adaptable	yellow-orange to purplish bronze	No	Medium		Open and loose
Syringa patula 'Miss Kim'	Miss Kim Lilac,	3 ft	3 ft	icy blue, May-June	oval-rounded	full sun to partial shade	normal to moist	reddish purple	No	Slow to medium		Dense
Syringa vulgaris	Common Lilac	8 - 15 ft	6 - 12 ft	lilac, early to mid May	upright leggy, irregular outline, cloud-like head of foliage	full sun	well-drained	poor fall color	No	Medium	lower part of branches don't have leaves	Medium

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<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Viburnum x burkwoodii	Burkwood Viburnum	8 - 10 ft	6 - 8 ft	pink to white, April	upright, multi-stemmed, straggly	full sun to partial shade	slightly moist, well-drained	sporadic wine red, evergreen in south	Hybrid	Slow to medium	Defoliated by sulfur sprays, prefers slightly acid soil	Medium
Viburnum dentatum	Arrowwood Viburnum	6 - 15 ft	6 - 15 ft	white cream, May to early June	multi-stemmed, dense, rounded with spreading and arching branches, suckering	sun or partial shade	well drained	yellow to glossy red to reddish purple	Yes		may need occasional rejuvenation pruning	Dense
Viburnum dilatatum	Linden Viburnum	8 - 10 ft	6 - 8 ft	white, may to early June	upright, somewhat leggy, open to dense, variable	full sun to partial shade	moist soil	ranges from bronze to burgundy to russet-red	No	Slow to medium	may naturalize	leggy and open or dense and compact depending on form
Viburnum x juddii	Judd Viburnum	6 - 8 ft	6 - 8 ft	march-early april	full and rounded	full sun to partial shade	medium moisture, well-	purple	Hybrid	Slow to medium		medium
Viburnum lantana	Wayfaring Tree	10 - 15 ft	10 - 15 ft	white creamy, early to mid-May	rounded outline, often leggy	full sun to part shade	prefers well-drained, withstands dry	purplish red, often poor	No	Medium to slow	attracts birds	Medium to dense
Viburnum opulus	European Cranberry Bush	8 - 15 ft	8 - 15 ft	white, may	upright, spreading, multi-stemmed, arching branches	best in full sun	native to bog-like	yellow-red and reddish purple	No	Medium		dense and compact
Viburnum plicatum	Doublefile Viburnum	8 - 10 ft	9 - 11 ft	white, may	horizontal, tiered branching, rounded to broad rounded	partial shade	moist, well drained soil, will not tolerate poor	consistent reddish purple	No	Medium		Medium to dense
Viburnum prunifolium	Black Haw	12 - 15 ft	8 - 12 ft	white creamy, May	round headed, stiffly branched	sun or shade	does well in dry soil	varies from purplish to red	Yes	Slow		Dense
Viburnum x rhytidophylloides	Lantanaphyllum Viburnum	8 - 10 ft	8 - 10 ft	white cream, early to mid may	upright, spreading, slightly arching branches, rounded	full sun or partial shade	medium moisture, well-	semi-evergreen	Hybrid	Medium		Medium
Viburnum sieboldii	Siebold Viburnum	15 - 20 ft	10 - 15 ft	creamy white, late May	open with stiff, stout, rigid branches	part shade	needs moisture and well-drained	usually green, sometimes slightly purple	No	Medium		Dense center with open crown
Vinca minor	Common Periwinkle	3 - 6 in	spreads many feet, needs a boundary	lilac-blue, March to April	Low growing, prostrate, mat-forming, spreading indefinitely	full sun or shade, prefers some shade	moist, well-drained soils	evergreen	No	Fast	invasive tendency	Dense
Vitex agnus-castus	Chaste Tree	8 - 10 ft	8 - 10 ft	lilac or pale violet, June-July through September	broad spreading, multi-stemmed	full sun	medium	dies to ground in winter	No	Rapid	Does best in hot weather	Open
Weigela florida	Old-Fashioned Weigela	6 - 9 ft	9 - 12 ft	rosy pink outside, paler within, May-June	spreading, dense, rounded, coarse branches arching to ground	full sun	well-drained	no significant fall change	No	Medium to fast		Dense
Wisteria floribunda	Japanese Wisteria	30 - 40 ft		violet or violet-blue, April to May	stout vine, climbs by twining stems which curve clockwise to develop twisted woody trunks, requires significant support	full sun	deep, moist, well-drained soil	no significant fall color	No	Fast	Invasive. Needs strong supports to hold the vine's weight	Dense
Wisteria frutescens	American Wisteria	20 - 30 ft		pale lilac-purple, June to August	stout vine, climbs by twining stems which curve clockwise to develop twisted woody trunks, requires significant support	full sun	occurs naturally along moist shores of streams, ponds, and lakes		Yes	Fast		Dense

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Yucca filamentosa	Yucca or Adam's Needle	2 - 4 ft	2 - 4 ft	white, July-August	low, stiffly erect and spreading leaves	full sun to partial shade	variety of soil moisture, not excessively wet	evergreen	No	Medium to slow		Thick leaves, coarse texture, open
Ornamental Shrubs (Berries)												
Berberis thunbergii	Japanese Barberry	3 - 6 ft	4 - 7 ft	yellow, april-may	much-branched, very dense rounded	full sun	dry condition	orange, scarlet, and reddish purple	No	Medium		Dense
Callicarpa japonica	Japanese Beautyberry	4 - 6 ft	4 - 6 ft	pink or white, lavender, july	bushy, rounded with arching branches	full sun or light shade	well-drained	pinkish lavender	No	Fast	cut down to 4 - 18" in winter	Medium
Celastrus scandens	American Bittersweet	20 ft		yellowish white, May to June	vigorous, twining vine or vine-like shrub which engulfs every fence in sight	full sun for best fruiting	withstands dry conditions, plant in poor soil to restrict winter		Yes	Fast	Often confused with oriental bittersweet, which is invasive	Dense
Cornus alba	Tatarian Dogwood	8 - 10 ft	5 - 10 ft	yellowish white, May-June	open, loose appearance, erect and arching, suckers	sun or partial shade	moist, well-drained	reddish purple	No	Rapid	bright red twigs in winter	Loose
Cotoneaster apiculatus	Cranberry Cotoneaster	3 ft	3 - 6 ft	pinkish, late May to early June	low, wide-spreading with stiff branching pattern, mounding, dense	full sun to partial shade	moist, well-drained, drought tolerant	bronzy red or purplish	No	Slow, can be optimized with water and fertilization	may collect debris in winter	Dense
Cotoneaster dammeri	Bearberry Cotoneaster	1 - 2 ft	6 ft	white, late May	very low, prostrate, slender, creeping stems, becomes woolly and ragged	full sun to partial shade	well-drained soil		No	Fast	attracts bees	Medium
Cotoneaster horizontalis	Rockspray Cotoneaster	2 - 3 ft	5 - 8 ft	pink, late May to early June	low, flat, dense, horizontally spreading branches, tiered layered effect	full sun or light shade	moist, well-drained, does well in dry soils	reddish purple	No	Slow to medium		Dense
Cornus mas	Corneliancherry Dogwood	20 - 25 ft	15 - 20 ft	yellow, March	oval-rounded outline, multi-stemmed, suckers, branch to ground strongly multi-stemmed, erect-growing, suckering	full sun to partial shade	rich, well-drained	purplish red, often poor	No	Medium	low branching	dense and compact
Cornus racemosa	Grey Dogwood	10 - 15 ft	10 - 15 ft	whitish, late May to early June	loose, broad-spreading, rounded, multi-stemmed, horizontal branching at base	sun to full shade	wet or dry soils	purplish red, often poor	Yes	Shoots: fast Old Wood: slow		medium
Cornus sericea	Red Osier Dogwood	7 - 9 ft	7 - 10 ft	dull white, may to early june	loose, broad-spreading, rounded, multi-stemmed, horizontal branching at base	sun to full shade	best in moist soil, adaptable to many conditions	reddish purple	Yes	Rapid	bright red twigs in winter	Loose and somewhat open
Daphne x burkwoodii	Burkwood Daphne	3 - 4 ft	3 - 4 ft	pinkish tinged, white, May	dense, broad mounded form	full sun or partial shade	needs very well-drained soil and consistent moisture	semi-evergreen	Hybrid	Slow to medium		Dense
Elaeagnus umbellata	Autumn Olive	12 - 18 ft	12 - 18 ft	silvery white, May-June	spreading, often spiny-branched	shade	excellent drought tolerance	no fall color	No	Fast	incredibly salt tolerant (almost impossible to kill), invasive, nitrogen fixing	medium

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Hedera helix	English Ivy	up to 90 ft		greenish white, September to October	high-climbing, true-clinging vine attaching itself to structures	full sun or heavy shade	growth is maximized in rich, moist organic, well-drained soil	evergreen	No	Fast		Dense
Hedera helix 'thorndale'	Baltic or Thornadle English Ivy	0.5 ft		greenish white, september-october	low groundcover, rooting at nodes	full sun or heavy shade	moist, organic, well-drained		No	Fast	Invasive. Mature plants develop shrub form	Dense
Ilex x meserveae	Meserveae Holly	8 - 12 ft	8 - 12 ft	white, early April to May	pyramidal or rounded, horizontal or irregular branching	shade	well-drained	evergreen	Hybrid	Medium		Dense
Ilex verticillata	Winterberry, Black Alder, Coralberry, Michigan Holly	6 - 10 ft	6 - 10 ft	white	oval-rounded to broad-rounded, suckers	full sun or partial shade	wet soil, native to swampy conditions	yellow to purple tinged, not significant	Yes	Slow to medium		Medium
Juniperus chinensis 'pfitzerana compacta'	Nick's Compact Juniper	1 - 1.5 ft	6 ft	yellow brown to orange yellow, March	bushy, compact	full sun	moist, well-drained, tolerates dry soil when established	evergreen	No	Slow		Dense
Juniperus chinensis 'san jose'	San Jose Juniper	1 - 2 ft	6 - 8 ft	yellow brown to orange yellow, March	spreads irregularly	full sun	moist, well-drained, tolerates dry soil when established	evergreen	No	Medium to slow	tolerant of urban conditions	Dense
Juniperus communis	Common Juniper	5 - 10 ft	8 - 12 ft	staminate yellow	ascending and spreading branches, or a much-branched sprawling shrub	full sun	common on dry, sterile soils	evergreen	No	Slow	extremely soil tolerant	Dense
Juniperus conferta	Shore Juniper	1 - 2 ft	6 - 9 ft	inconspicuous	dense, bushy, procumbent	full sun	does not tolerate excess soil moisture	evergreen	No	Slow	salt tolerant	Dense
Juniperus horizontalis	Creeping Juniper	1 - 2 ft	4 - 8 ft	inconspicuous	low-growing, procumbent with long, trailing branches forming mats	full sun	withstands hot dry situations	evergreen	No	Medium	salt tolerant, blue green in summer, purple in winter	Dense
Juniperus sabina	Savin Juniper	4 - 6 ft	5 - 10 ft	non-flowering	extremely variable from ground cover to distinctly upright	full sun	does well in well-drained and dry soils	evergreen	No	Slow	withstands city conditions, prefers cold climate	Dense
Kolkwitzia amabilis	Beautybush	6 - 10 ft	5 - 9 ft	pink, yellow, May-early June	upright arching, vase shaped, somewhat fountain like, leggy	full sun	well-drained	slightly yellowish to reddish	No	Slow		Medium to dense
Ligustrum obtusifolium	Border Privet	10 - 12 ft	12 - 15 ft	white, early to mid-June, unpleasantly fragrant	multi-stemmed, broad horizontal branching	full sun to partial shade	very adaptable	russet to purplish	No	Medium	may naturalize	medium
Ligustrum x vicaryi	Golden Privet	10 - 12 ft	7 - 10 ft	white, May	somewhat vase shaped, oval-rounded,	full sun	dry to medium	no significant change	Hybrid	Fast	foliage will turn more green than yellow if not in full sun	Medium to dense
Lindera benzoin	Spicebush	6 - 12 ft	6 - 12 ft	yellow	rounded shrub outline, dense and full in full sun	full sun to part shade	moist, well-drained soils	yellow	No	Slow		Loose and open

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Lonicera sempervirens	Trumpet Honeysuckle, Coral Honeysuckle	10 - 20 ft		variable in color from orange-red to red on outside and yellow to yellow-orange inside, April	twining vine, not as vigorous or rampant as Lonicera japonica, Akebia, and Wisteria, needs support	full sun for best flower, tolerates dense shade	moist, well-drained soil		Yes	Fast	somewhat aggressive	Dense
Myrica pensylvanica	Northern Bayberry, Candleberry	5 - 12 ft	5 - 12 ft	yellowish green catkins, late march to april	upright-rounded, fairly dense, suckers	full sun to half shade	very adaptat	no significant fall change	No	Medium	very salt tolerant, nitrogen fixing	Dense
Parthenocissus quinquefolia	Virginia Creeper, Woodbine	30 - 50 ft or more		greenish white, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	will thrive in almost any condition, very hardy	purple-red to crimson-red	Yes	Fast	will climb on anything, very aggressive	Dense
Parthenocissus tricuspidata	Boston Ivy	30 - 50 ft or more		yellow green, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	fairly adaptable	purple-red to crimson-red	No	Very fast	Invasive. Will climb on anything, very aggressive	Dense
Prunus x cistena	Purpleleaf Sand Cherry	7 - 10 ft	6 - 9 ft	pink, April - early May	small deciduous tree, fine texture	full sun	well-drained	leaves remain red	Hybrid	Fast	pollution tolerant	medium, leggy at base
Rhus aromatica 'Gro Lo'	Gro Lo Fragrant Sumac	2 - 6 ft	6 - 10 ft	yellowish, mid to late March - April	low, irregular spreading, suckering, dense	full sun to 3/4 shade	well drained soil	orange to red to reddish purple	No	Slow		Dense
Symphoricarpos x chenaultii	Chenault Coralberry	3 - 6 ft	3 - 6 ft	pink	spreading, loose-branched, fine textured	full sun to partial shade	medium	no significant fall color	Hybrid	Medium to fast	potential as a groundcover	Dense
Taxus canadensis	Canada Yew	3 - 6 ft	6 - 8 ft	March and April, ornamentally unimportant	prostrate, soose, straggling	part shade	moist, sandy loam, will not tolerate drought	reddish brown tint	Yes	Slow		Loose
Taxus x media	Anglo-Japanese Yew	2 - 20 ft	2 - 20 ft	green	broad-pyramidal, variable	shade or sun	moist, sandy loam, well-drained	Evergreen	Hybrid	Slow		can become dense
Viburnum x burkwoodii	Burkwood Viburnum	8 - 10 ft	6 - 8 ft	pink to white, April	upright, multi-stemmed, straggly	full sun to partial shade	slightly moist, well-drained	sporadic wine red, evergreen in south	Hybrid	Slow to medium	Defoliated by sulfur sprays, prefers slightly acid soil	Medium
Viburnum dentatum	Arrowwood Viburnum	6 - 15 ft	6 - 15 ft	white cream, May to early June	multi-stemmed, dense, rounded with spreading and arching branches, suckering	sun or partial shade	well drained	yellow to glossy red to reddish purple	Yes		may need occasional rejuvenation pruning	Dense
Viburnum dilatatum	Linden Viburnum	8 - 10 ft	6 - 8 ft	white, may to early June	upright, somewhat leggy, open to dense, variable	full sun to partial shade	moist soil	ranges from bronze to burgundy to russet-red	No	Slow to medium	may naturalize	leggy and open or dense and compact depending on form
Viburnum x juddii	Judd Viburnum	6 - 8 ft	6 - 8 ft	march-early april	full and rounded	full sun to partial shade	medium moisture, well-drained	purple	Hybrid	Slow to medium		medium

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Viburnum lantana	Wayfaring Tree	10 - 15 ft	10 - 15 ft	white creamy, early to mid-May	rounded outline, often leggy	full sun to part shade	prefers well-drained, withstands dry	purplish red, often poor	No	Medium to slow	attracts birds	Medium to dense
Viburnum opulus	European Cranberry Bush	8 - 15 ft	8 - 15 ft	white, may	upright, spreading, multi-stemmed, arching branches	best in full sun	native to bog-like situations	yellow-red and reddish purple	No	Medium		dense and compact
Viburnum plicatum	Doublefile Viburnum	8 - 10 ft	9 - 11 ft	white, may	horizontal, tiered branching, rounded to broad rounded	partial shade	moist, well drained soil, will not tolerate poor drainage	consistent reddish purple	No	Medium		Medium to dense
Viburnum prunifolium	Black Haw	12 - 15 ft	8 - 12 ft	white creamy, May	round headed, stiffly branched	sun or shade	does well in dry soil	varies from purplish to red	Yes	Slow		Dense
Viburnum x rhytidophylloides	Lantanaphyllum Viburnum	8 - 10 ft	8 - 10 ft	white cream, early to mid may	upright, spreading, slightly arching branches, rounded	full sun or partial shade	medium moisture, well-drained	semi-evergreen	Hybrid	Medium		Medium
Viburnum sieboldii	Siebold Viburnum	15 - 20 ft	10 - 15 ft	creamy white, late May	open with stiff, stout, rigid branches	part shade	needs moisture and well-drained soils	usually green, sometimes slightly purple	No	Medium		Dense center with open crown
Ornamental Shrubs (Fall color)												
Abelia x grandiflora	Glossy Abelia	3 - 6 ft	3 - 6 ft	white-flushed pink, may-june	spreading, dense, rounded, multi-stemmed with arching branches, leggy	full sun to half shade	well-drained moist	bronze-green to bronze-red and bronze-purple, semi-evergreen	Hybrid	Fast		Dense
Berberis thunbergii	Japanese Barberry	3 - 6 ft	4 - 7 ft	yellow, april-may	much-branched, very dense rounded	full sun	dry condition	orange, scarlet, and reddish purple	No	Medium		Dense
Cornus alba	Tatarian Dogwood	8 - 10 ft	5 - 10 ft	yellowish white, May-June	open, loose appearance, erect and arching, suckers	sun or partial shade	moist, well-drained	reddish purple	No	Rapid	bright red twigs in winter	Loose
Cornus sericea	Red Osier Dogwood	7 - 9 ft	7 - 10 ft	dull white, may to early june	loose, broad-spreading, rounded, multi-stemmed, horizontal branching at base	sun to full shade	best in moist soil, adaptable to many conditions	reddish purple	Yes	Rapid	bright red twigs in winter	Loose and somewhat open
Cotoneaster apiculatus	Cranberry Cotoneaster	3 ft	3 - 6 ft	pinkish, late May to early June	low, wide-spreading with stiff branching pattern, mounding, dense	full sun to partial shade	moist, well-drained, drought tolerant	bronzy red or purplish	No	Slow, can be optimized with water and fertilization	may collect debris in winter	Dense
Cotoneaster dammeri	Bearberry Cotoneaster	1 - 2 ft	6 ft	white, late May	very low, prostrate, slender, creeping stems, becomes woolly and ragged	full sun to partial shade	well-drained soil		No	Fast	attracts bees	Medium
Cotoneaster horizontalis	Rockspray Cotoneaster	2 - 3 ft	5 - 8 ft	pink, late May to early June	low, flat, dense, horizontally spreading branches, tiered layered effect	full sun or light shade	moist, well-drained, does well in dry soils	reddish purple	No	Slow to medium		Dense
Euonymus alatus	Burning Bush	15 - 20 ft	15 - 20 ft	yellow-green, May to early june	Mounded to horizontal, spreading, flat-topped shrub	full sun to heavy shade	needs moist, well-drained soil, not dry	brilliant red	No	Slow	may naturalize	medium

City of Westfield Master Shrub List
Ornamental Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Fothergilla gardenii	Dwarf Fothergilla	2 - 3 ft	2 - 3 ft	white, April to early May	slender, crooked, often spreading branches, rounded outline, dense, suckers	full sun to partial shade	moist, well-drained	brilliant yellow to orange to scarlet	No	Slow		Dense
Hamamelis vernalis	Vernal Witchhazel	6 - 10 ft	8 - 12 ft	yellow to red, variable, January thru February	multi-stemmed, dense, rounded, neat but variable, suckers	full sun or 3/4 shade	best in moist	yellow to gold	No	Medium		Dense
Hamamelis virginiana	Common Witchhazel	10 - 25 ft	10 - 20 ft	yellow, November-October	irregular, rounded, open crown. Large, crooked, spreading branches	full sun or shade	moist soil, avoid extremely dry	yellow	Yes	Medium		Tends toward openness
Hydrangea quercifolia	Oak Leaf Hydrangea	4 - 8 ft	4 - 8 ft	white, purplish pink, June-July	upright, little-branched, irregular, forms mounded colonies	sun or partial shade	moist, well-drained	red, orangish-brown, purple	Yes	Slow to medium		Medium to dense
Lindera benzoin	Spicebush	6 - 12 ft	6 - 12 ft	yellow	rounded shrub outline, dense and full in full sun	full sun to part shade	moist, well-drained soils	yellow	No	Slow		Loose and open
Parthenocissus quinquefolia	Virginia Creeper, Woodbine	30 - 50 ft or more		greenish white, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	will thrive in almost any condition, very hardy	purple-red to crimson-red	Yes	Fast	will climb on anything, very aggressive	Dense
Parthenocissus tricuspidata	Boston Ivy	30 - 50 ft or more		yellow green, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	fairly adaptable	purple-red to crimson-red	No	Very fast	Invasive. Will climb on anything, very aggressive	Dense
Rhus aromatica 'Gro Lo'	Gro Lo Fragrant Sumac	2 - 6 ft	6 - 10 ft	yellowish, mid to late March - April	low, irregular spreading, suckering, dense	full sun to 3/4 shade	well drained soil	orange to red to reddish purple	No	Slow		Dense
Spiraea x bumalda 'anthony waterer'	Anthony Waterer Spirea	3 - 4 ft	4 - 5 ft	carmine-pink, late May to June	broad, flat-topped, low, densely twiggy with erect branches, often mounded, relatively refined	full sun	cannot tolerate extremely wet	wine red to russet red	Hybrid	Fast	may naturalize	Dense
Syringa patula 'Miss Kim'	Miss Kim Lilac,	3 ft	3 ft	icy blue, May-June	oval-rounded	full sun to partial shade	normal to moist	reddish purple	No	Slow to medium		Dense
Viburnum x burkwoodii	Burkwood Viburnum	8 - 10 ft	6 - 8 ft	pink to white, April	upright, multi-stemmed, straggly	full sun to partial shade	slightly moist, well-drained	sporadic wine red, evergreen in south	Hybrid	Slow to medium	Defoliated by sulfur sprays, prefers slightly acid soil	Medium
Viburnum dilatatum	Linden Viburnum	8 - 10 ft	6 - 8 ft	white, may to early June	upright, somewhat leggy, open to dense, variable	full sun to partial shade	moist soil	ranges from bronze to burgundy to russet-red	No	Slow to medium	may naturalize	leggy and open or dense and compact depending on form
Viburnum x juddii	Judd Viburnum	6 - 8 ft	6 - 8 ft	march-early april	full and rounded	full sun to partial shade	medium moisture, well-drained	purple	Hybrid	Slow to medium		medium

City of Westfield Master Shrub List
Ornamental Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Viburnum plicatum	Doublefile Viburnum	8 - 10 ft	9 - 11 ft	white, may	horizontal, tiered branching, rounded to broad rounded	partial shade	moist, well drained soil, will not tolerate poor drainage	consistent reddish purple	No	Medium		Medium to dense

City of Westfield Master Shrub List
Evergreen Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Evergreen Shrubs												
Arundinaria variegata	Dwarf Whitestripe Bamboo or Gardener's Garters	1 - 2 ft		rarely flowers	spreading	full sun to partial shade	medium to moist, well-drained	evergreen				
Buxus microphylla	Littleleaf Boxwood	3 - 4 ft	3 - 4 ft	March-April, not showy but fragrant	much-branched, compact, dense, rounded or broad rounded	full sun or light shade	requires cool, moist conditions	evergreen	No	Slow		Dense and compact
Chamaecyparis obtusa 'nana'	Hinoki False Cypress	3 ft	4 ft	yellow	broad and conical "wavy" branches, flat topped, irregular	sunny but protected	moist, well-drained	evergreen	No	Very slow	a 90 year old specimen was 20" high and 25" wide	Dense
Hedera helix	English Ivy	up to 90 ft		greenish white, September to October	high-climbing, true-clinging vine attaching itself to structures	full sun or heavy shade	growth is maximized in rich, moist organic.	evergreen	No	Fast		Dense
Ilex glabra 'compacta'	Compact Inkberry Holly	4 - 6 ft	4 - 6 ft	creamy, late May	compact, oval-rounded habit, fine-textured branches, dense, pyramidal or rounded,	full sun, shade tolerant	moist soil	evergreen	Yes	Slow, but suckers fast		Dense and compact
Ilex x meserveae	Meserveae Holly	8 - 12 ft	8 - 12 ft	white, early April to May	horizontal or irregular branching	shade	well-drained	evergreen	Hybrid	Medium		Dense
Juniperus chinensis 'pfitzerana compacta'	Nick's Compact Juniper	1 - 1.5 ft	6 ft	yellow brown to orange yellow, March	bushy, compact	full sun	moist, well-drained, tolerates dry soil when	evergreen	No	Slow		Dense
Juniperus chinensis 'san jose'	San Jose Juniper	1 - 2 ft	6 - 8 ft	yellow brown to orange yellow, March	spreads irregularly	full sun	moist, well-drained, tolerates dry soil when established	evergreen	No	Medium to slow	tolerant of urban conditions	Dense
Juniperus communis	Common Juniper	5 - 10 ft	8 - 12 ft	staminate yellow	ascending and spreading branches, or a much-branched sprawling shrub	full sun	common on dry, sterile soils	evergreen	No	Slow	extremely soil tolerant	Dense
Juniperus conferta	Shore Juniper	1 - 2 ft	6 - 9 ft	inconspicuous	dense, bushy, procumbent	full sun	does not tolerate excess soil moisture	evergreen	No	Slow	salt tolerant	Dense
Juniperus procumbens	Japanese Garden Juniper	1 - 2 ft	10 - 15 ft	staminate yellow	dwarf, long wide-spreading stiff branches	needs full sun	thrives in adverse conditions	evergreen	No	Slow	easily transplantable	Dense
Juniperus sabina	Savin Juniper	4 - 6 ft	5 - 10 ft	non-flowering	extremely variable from ground cover to distinctly upright	full sun	does well in well-drained and dry soils	evergreen	No	Slow	withstands city conditions, prefers cold climate	Dense

City of Westfield Master Shrub List
Evergreen Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Pachysandra terminalis	Japanese Spurge	0.5 - 1 ft		white, March to early April	groundcover spreading by rhizomes and forming a solid mat	prefers shade, yellows in sun, lives in deep shade	moist, well-drained soils	evergreen	No	Medium to slow		Dense
Picea glauca 'conica'	Dwarf Alberta Spruce	10 - 12 ft	3 - 5 ft	pale red becoming yellow	broadly conical	full sun	moist loam, drought tolerant	evergreen	No	Medium		Dense when young, opens with age
Pinus mugo	Mugho Pine	5 - 20 ft	10 - 25 ft	monoecious	usually low, broad-spreading and bushy	sun or partial shade	deep, moist loam	evergreen	No	Slow		Dense
Rhododendron PJM hybrids	PJM Rhododendrons	3 - 6 ft	3 - 6 ft	bright lavender pink, mid-late April	rounded	full sun to partial shade	moist, organic well-drained soil	plum purple evergreen	Hybrid	Slow to medium		Dense
Taxus baccata 'repandens'	Dwarf English Yew	2 - 4 ft	12 - 15 ft	green, march - april	pendulous tips to branches, dense	sun or shade	moist, must be very well-drained	evergreen	No	Slow		Dense
Taxus x media	Anglo-Japanese Yew	2 - 20 ft	2 - 20 ft	green	broad-pyramidal, variable	shade or sun	moist, sandy loam, well-drained	Evergreen	Hybrid	Slow		can become dense
Tsuga canadensis 'Abbott's Pygmy'	Canadian Hemlock	1.5 ft	1.5 ft	non-flowering	dense, pyramidal	part shade to full shade	not drought tolerant	evergreen	No	?Medium		Dense
Tsuga canadensis 'Gracilis'	Canadian Hemlock	2 - 3 ft	4 - 5 ft	non-flowering	flat topped, spreading, dwarf, broad drooping branches and an open center	part shade to full shade	medium	evergreen	No	?Medium		Dense
Tsuga canadensis 'Stockman's Dwarf'	Canadian Hemlock	1.5 - 3 ft	2 - 4 ft	non-flowering	upright, conical, densely needled, drooping end of branches	part shade to full shade	medium	evergreen	No	?Medium		Dense
Vinca minor	Common Periwinkle	3 - 6 in	spreads many feet, needs a boundary	lilac-blue, March to April	Low growing, prostrate, mat-forming, spreading indefinitely	full sun or shade, prefers some shade	moist, well-drained soils	evergreen	No	Fast	invasive tendency	Dense
Yucca filamentosa	Yucca or Adam's Needle	2 - 4 ft	2 - 4 ft	white, July-August	low, stiffly erect and spreading leaves	full sun to partial shade	variety of soil moisture, not excessively wet	evergreen	No	Medium to slow		Thick leaves, coarse texture, open

City of Westfield Master Shrub List
Drought Tolerant Shrub

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Drought Tolerant Shrubs												
Actinidia arguta	Bower Actinidia, Tara Vine	25 - 30 ft		whitish or greenish white, May to June	Vigorous, high climbing, twining vine which requires support	full sun or partial shade	very adaptable, can thrive in rock hard clay	yellowish green	No	Fast	fruit is edible - kiwi	Dense
Akebia quinata	Fiveleaf Akebia	20 - 40 ft		Chocolate purple to rosy purple, March to early April	Twining vine or rampant groundcover	sun or shade	adaptable to drought	no fall color	No	Fast		Dense
Berberis thunbergii	Japanese Barberry	3 - 6 ft	4 - 7 ft	yellow, april-may	much-branched, very dense rounded	full sun	dry condition	orange, scarlet, and reddish purple	No	Medium		Dense
Campsis radicans	Trumpet Creeper or Trumpetvine	30 - 40 ft		corolla rich orange and scarlet, June to September	rampant, clinging, strangling vine, suckers profusely	full sun	adaptable, as long as soil is not waterlogged	yellowish green	Yes	Fast	invasive	Dense
Celastrus scandens	American Bittersweet	20 ft		yellowish white, May to June	vigorous, twining vine or vine-like shrub which engulfs every fence in sight	full sun for best fruiting	withstands dry conditions, plant in poor soil to restrict		Yes	Fast	Often confused with oriental bittersweet, which is invasive	Dense
Chaenomeles speciosa	Flowering Quince	6 - 10 ft	6 - 10 ft	scarlet to red, April	rounded, broad-spreading, dense twiggly, variable	full sun or partial shade	does well in dry conditions	no fall color	No	Medium	branches spiny	Very dense
Cotoneaster apiculatus	Cranberry Cotoneaster	3 ft	3 - 6 ft	pinkish, late May to early June	low, wide-spreading with stiff branching pattern, mounding, dense	full sun to partial shade	moist, well-drained, drought tolerant	bronzy red or purplish	No	Slow, can be optimized with water and fertilization	may collect debris in winter	Dense
Cotoneaster horizontalis	Rockspray Cotoneaster	2 - 3 ft	5 - 8 ft	pink, late May to early June	low, flat, dense, horizontally spreading branches, tiered layered effect	full sun or light shade	moist, well-drained, does well in dry soils	reddish purple	No	Slow to medium		Dense
Elaeagnus umbellata	Autumn Olive	12 - 18 ft	12 - 18 ft	silvery white, May-June	spreading, often spiny-branched	shade	excellent drought tolerance	no fall color	No	Fast	incredibly salt tolerant (almost impossible to kill), invasive, nitrogen fixing	medium
Juniperus horizontalis	Creeping Juniper	1 - 2 ft	4 - 8 ft	inconspicuous	low-growing, procumbent with long, trailing branches forming mats	full sun	withstands hot dry situations	evergreen	No	Medium	salt tolerant, blue green in summer, purple in winter	Dense
Juniperus sabina	Savin Juniper	4 - 6 ft	5 - 10 ft	non-flowering	extremely variable from ground cover to distinctly upright	full sun	does well in well-drained and dry soils	evergreen	No	Slow	withstands city conditions, prefers cold climate	Dense

City of Westfield Master Shrub List
Drought Tolerant Shrub

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Parthenocissus quinquefolia	Virginia Creeper, Woodbine	30 - 50 ft or more		greenish white, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	will thrive in almost any condition, very hardy	purple-red to crimson-red	Yes	Fast	will climb on anything, very aggressive	Dense
Picea glauca 'conica'	Dwarf Alberta Spruce	10 - 12 ft	3 - 5 ft	pale red becoming yellow	broadly conical	full sun	moist loam, drought tolerant	evergreen	No	Medium		Dense when young, opens with age
Polygonum aubertii	China or Silver Fleecevine, Silver Lace Vine, Russian Vine	25 - 35 ft		white or greenish white, sometimes slightly pinkish, July to August through September	Twining deciduous vine of rampant growth	full sun or shade	does well in dry soils		No	Fast	Invasive	Dense
Prunus glandulosa	Dwarf Flowering Almond	4 - 5 ft	3 - 4 ft	pink or white, late April to early May	spreading, weakly multi-stemmed, straggly	full sun to partial shade	moderately drought tolerant	not ornamentally important	No	Medium		Medium to open
Viburnum prunifolium	Black Haw	12 - 15 ft	8 - 12 ft	white creamy, May	round headed, stiffly branched	sun or shade	does well in dry soil	varies from purplish to red	Yes	Slow		Dense

City of Westfield Master Shrub List
Wet Soil Shrubs

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mature Height</u>	<u>Mature Spread</u>	<u>Bloom Color</u>	<u>Branching Habit</u>	<u>Sun</u>	<u>Water</u>	<u>Fall Color</u>	<u>Indiana Native</u>	<u>Growth Rate</u>	<u>Comments</u>	<u>Density</u>
Wet Soil Shrubs												
Akebia quinata	Fiveleaf Akebia	20 - 40 ft		Chocolate purple to rosy purple, March to early April	Twining vine or rampant groundcover	sun or shade	adaptable to drought and moisture	no fall color	No	Fast		Dense
Cornus racemosa	Grey Dogwood	10 - 15 ft	10 - 15 ft	whitish, late May to early June	strongly multi-stemmed, erect-growing,	sun to full shade	wet or dry soils	purplish red, often poor	Yes	Shoots: fast Old Wood: slow		medium
Galium odoratum	Sweet Woodruff	0.5 - 1 ft	0.75 - 1.5 ft	white, april to may	mat-forming perennial groundcover	part shade to full shade	medium to wet		No	Medium to fast	can grow aggressively in favorable conditions	Dense
Hamamelis vernalis	Vernal Witchhazel	6 - 10 ft	8 - 12 ft	yellow to red, variable, January thru February	multi-stemmed, dense, rounded, neat but variable, suckers	full sun or 3/4 shade	best in moist	yellow to gold	No	Medium		Dense
Ilex verticillata	Winterberry, Black Alder, Coralberry, Michigan Holly	6 - 10 ft	6 - 10 ft	white	oval-rounded to broad-rounded, suckers	full sun or partial shade	wet soil, native to swampy conditions	yellow to purple tinged, not significant	Yes	Slow to medium		Medium
Ligustrum obtusifolium	Border Privet	10 - 12 ft	12 - 15 ft	white, early to mid-June, unpleasantly fragrant	multi-stemmed, broad horizontal branching	full sun to partial shade	very adaptable	russet to purplish	No	Medium	may naturalize	medium
Myrica pensylvanica	Northern Bayberry, Candleberry	5 - 12 ft	5 - 12 ft	yellowish green catkins, late march to april	upright-rounded, fairly dense, suckers	full sun to half shade	very adaptable	no significant fall change	No	Medium	very salt tolerant, nitrogen fixing	Dense
Parthenocissus quinquefolia	Virginia Creeper, Woodbine	30 - 50 ft or more		greenish white, June to July	vine with tendrils with have 5-8 branches, will literally cement itself to the wall, will crawl on structures and ground; secretes calcium carbonate (adhesive)	full sun or full shade	will thrive in almost any condition, very hardy	purple-red to crimson-red	Yes	Fast	will climb on anything, very aggressive	Dense
Viburnum opulus	European Cranberry Bush	8 - 15 ft	8 - 15 ft	white, may	upright, spreading, multi-stemmed, arching branches	best in full sun	native to bog-like situations	yellow-red and reddish purple	No	Medium		dense and compact
Wisteria frutescens	American Wisteria	20 - 30 ft		pale lilac-purple, June to August	stout vine, climbs by twining stems which curve clockwise to develop twisted woody trunks, requires significant support	full sun	occurs naturally along moist shores of streams, ponds, and lakes		Yes	Fast		Dense