
A Zone Improvement Plan for Parks & Recreation Facilities
City of Greenfield – Parks & Recreation Department

The proposed:

City of Greenfield Recreation Zone Improvement Plan 2018-2027

Prepared for:

City of Greenfield Parks & Recreation
City of Greenfield Advisory Plan Commission
City of Greenfield City Council
Greenfield, Indiana

Prepared by:

Lehman & Lehman, Inc.

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Mishawaka, Indiana

With Review by:

Jason Koch, P.E.

Professional Engineer
City of Greenfield



November 2018 (Revised 26-Nov-18)



The proposed:

City of Greenfield Recreation Zone Improvement Plan 2018-2027

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Completed November 2018 (Revised 26-Nov-18)



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Greenfield Recreation Zone Improvement Plan Study

November 2018



In 1991, the Indiana General Assembly passed an impact fee bill that created an alternative funding mechanism for infrastructure improvements in fast growing areas. The essence of the legislation was to allow local governments the option of passing onto new residents the cost of building the new infrastructure demanded by those same new residents.

This will be an update to the Infrastructure Improvement Plan for Parks and Recreation Facilities (Recreation Impact Fee Study) for the City of Greenfield. This study started several months ago, following the process as outlined by the 1991 Indiana Code. A Recreation Impact Fee Advisory Committee was established and worked with the Consultant in updating the current recreation component inventory along with the related standards and established a recreation impact zone. Population projections were arrived at by analyzing existing developments as well as new development parcels of the planning area, related residential building permits were forecasted, both current and future recreation component deficiencies were calculated, and costs for these infrastructure deficiency improvements were established for both current (2018) and future (2027) needs. The impact fee for the impact fee zones were determined by dividing the estimated costs of the 10-year deficiencies by the number of projected residential building permits of each impact zone during that same period.

According to State Statute, Recreation Impact Fees are collected prior to the issuance of each residential building permit, and the first collection will occur six (6) months after the final approval by the City Council of the Impact Fee ordinance. The fees are then placed in an interest bearing account, and related expenses for improvements are then paid from that account. Since impact fees cannot be used to fund current deficiencies, those improvements will need to come from other resources of the City. Recreation Impact Fees can only be used for the costs of the projected 10-year future needs determined by future populations.

An impact fee, by ordinance, may not be collected for more than five years without a review and update of the Infrastructure Plan and adoption of the fee by the City Council. Attached is the new Infrastructure Improvement Plan. The City of Greenfield staff prepared the plan with assistance from *Lehman & Lehman, Inc.* After preparation, the plan was submitted to *Jason Koch, P.E.* (Greenfield's City Engineer), for final review and comment. The plan establishes new park and recreation standards for Greenfield and recommends a one-zone structure and Recreation Impact Fees that will be necessary in order to achieve the City of Greenfield's Park and Recreation standards.

After careful analysis, the Greenfield Park Infrastructure Advisory Committee and the City of Greenfield staff feels that the recommended Recreation Impact Fee of **\$1,313** is a responsible fee for the recommended standards. The Greenfield Park Infrastructure Advisory Committee recommends acceptance of the fee by the Greenfield Park Board before being placed before the Greenfield Planning Commission and City Council for final adoption.

Adoption of these parks and recreation standards will ensure the continued delivery of quality parks and recreation services for all of the Citizens of Greenfield.

Sincerely,

Ellen Kuker, Park Superintendent
City of Greenfield – Parks and Recreation Department

Acknowledgements

City of Greenfield Park Infrastructure Advisory Committee

Committee Members:

- Steve Cooper, Land Surveyor
- Ron Dezelan, Retired CPA
- Bruce Fagan, Builder
- Rita Fish, Realtor
- Joan Fitzwater, City Planning Dept.
- Harold Gibson, Developer
- Deby Low, Park Board
- Mitch Pendlum, City Council
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Table of Contents

PREFACE

Cover Letter	3
Acknowledgments	4
Table of Contents.....	5
Executive Summary	7
Recreation Impact Fee Study Process.....	12
Population and Residential Development Trends.....	13
Expectations of Population Growth / Residential Building Permit Projections	18
Existing Park Land Facilities	20
Existing Infrastructure of Recreation Facilities.....	22
Community Level of Service Needs and Cost Estimates	26
Recommended Recreation Impact Fee.....	29
Summary of Impact Fee Study	37

APPENDIX

Appendix A: Indiana Code (IC) 36-7-4-1300.....	41
Appendix B: Fixed Assets / Capital Improvements over the years 2014-2017	61
Appendix C: Summary of Greenfield Park Department Revenues 2013-2017	63
Appendix D: Impact Fee One Zone Recommendation Logic.....	63
Appendix E: Park and Recreation Infrastructure Inventory	64
Appendix F: Recreation Impact Fee Tracking Report 2010 to 2017	65
Appendix G: Letter of Study Review from Professional Engineer.....	66

LIST OF TABLES

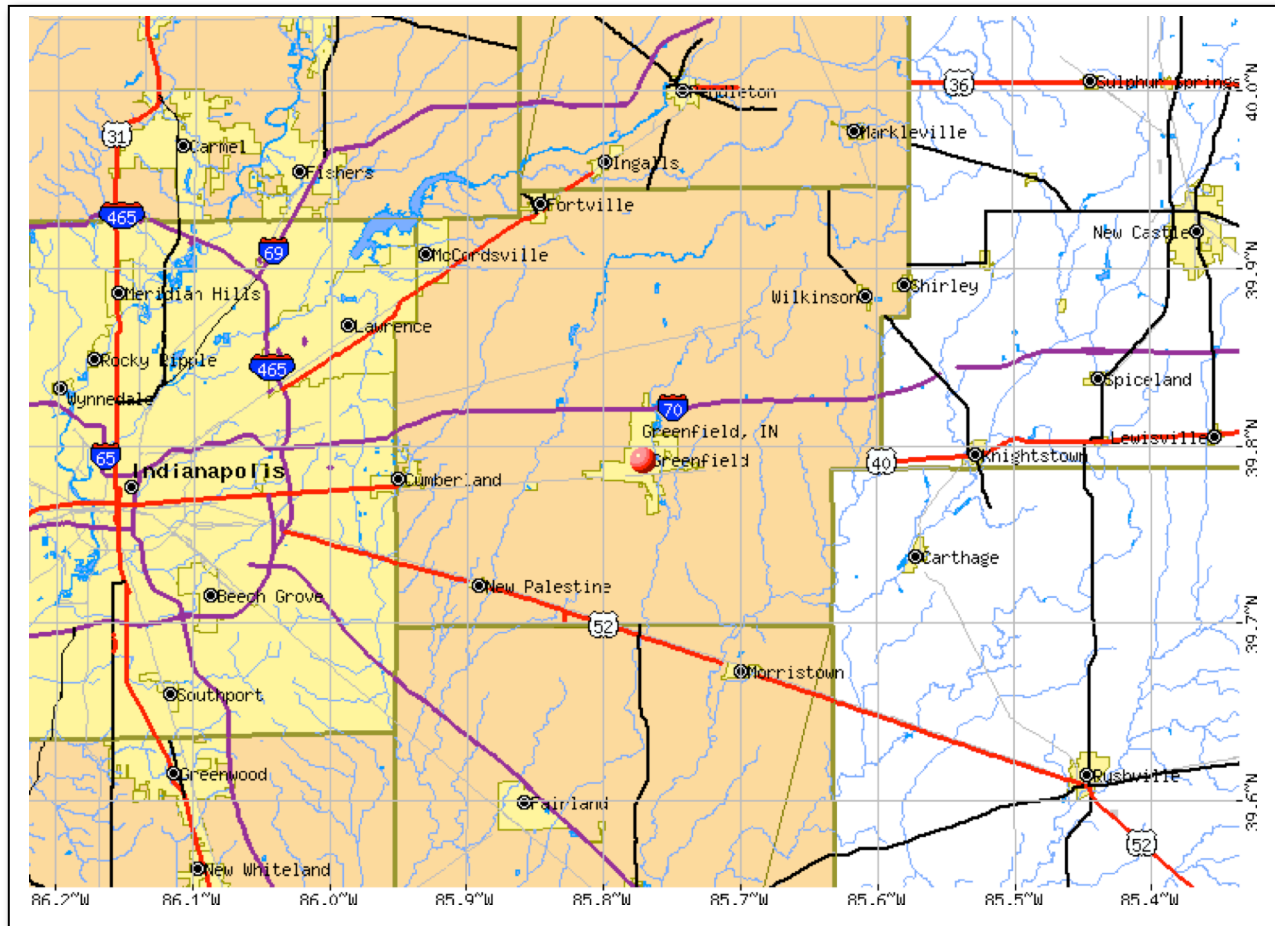
Table 1 – Greenfield Potential Residential Growth Work Sheet of Undeveloped Land Parcels	16
Table 2 – Greenfield Potential Residential Growth Work Sheet of Existing Developments	17
Table 3 – Potential Residential Growth Summary	18
Table 4 – Current and Projected Population and Building Permit Growth	18
Table 5 – Park Site Inventory.....	20
Table 6 – Land Inventory – Current Level of Service and Community Level of Service	21
Table 7 – Facilities Inventory and Needs	23
Table 8 – Current Deficiencies and Future Needs	24
Table 9 – Acreage Needs for Recreation Components	25
Table 10 – Cost of Recreation Components to Overcome Current Deficiencies and Future Needs	26
Table 11 – Recreation Impact Fee Scenarios	28
Table 12 – Recreation Impact Fee Scenario Summary of “A” Priorities	29
Table 13 – Funding Sources for Current Deficiencies.....	30
Table 14 – Forecast Annual Funding for Current Deficiencies.....	31
Table 15 – Impact Deduction Calculations	31
Table 16 – Recommended Recreation Impact Fee Calculations	32
Table 17 – Optional Housing Equivalent to Recreation Impact Fee	32
Table 18 – Recreation Impact Fee Revenue 10-Year Projection	34
Table 19 – Implementation Schedule for Current Deficiencies.....	35
Table 20 – Implementation Schedule for Future Needs	36

Greenfield Recreation Zone Improvement Plan Study

LIST OF FIGURES

Figure 1 – Study Area.....	9
Figure 2 – Future Land Use Map.....	10
Figure 3 – Community Level of Service Illustration	12
Figure 4 – Annual Residential Building Permit History.....	13
Figure 5 – Greenfield Residential Growth Potential.....	15
Figure 6 – Historic and Projected Population of the City of Greenfield.....	19
Figure 7 – Recreation Impact Fee Revenues Graph.....	33
Figure 8 – GDP Percentage Change from 2002 to 2017	33

Regional context map of the City of Greenfield, Indiana



Executive Summary

Background

The City of Greenfield and its surrounding area has, over the past decades, experienced significant growth in residential development. As a result, the public infrastructure systems (roads, drainage, water/sanitary utilities and parks) are, or will become, strained to keep pace with the demands placed on them.

In anticipation of these demands, the City of Greenfield is in the process of implementing and updating one of these public infrastructure systems by way of a Recreation Impact Fee Ordinance. The *Parks and Recreation Master Plan Update* and the *City's Comprehensive Plan 2015* show that the demand for recreational facilities will intensify because of the demographics of the growing population base. It is also recognized that a quality system of parks, green spaces and pathways/trails adds to the economic value and quality of life of the entire community.

The demands placed on the Park System by rapid growth have, and will, outpace the City's financial ability to provide the new and expanded facilities identified in the Parks and Recreation Master Plan. The current revenues are devoted almost entirely to maintaining and operating existing park facilities and programs. New sources of capital improvement revenue are needed. The Update of the City's Recreation Impact Fee Ordinance will continue to benefit the City and community in the future by keeping pace with the population growth while maintaining the level of adopted recreation standards.

The Plan acknowledges that the 2010 Census data will provide the basis for the data on population and demographics for the City. The City has provided the Consultant with updated population estimates that were used as part of this study analysis as well.

History of Recreation Impact Fees

In 1991, the State of Indiana enacted an impact fee statute that allows local communities to collect impact fees (monetary charges) to pay for, defray or mitigate the capital costs and improvements to infrastructure necessitated to serve the proposed new development.

The essence of the legislation was to allow local governments the option of passing onto new residents the costs of building the new infrastructure expected by those same residents.

Impact Fees Facts

Need for and Application of Impact Fees

- Best applied to Fast Growing Communities (or projected)
- Considered as an "Entrance Fee" for residents to build and live in the Community
- Funds are applied directly to the infrastructure needs caused by the growth

Different Types of Development Impact Fees

- Park/Recreation, Roads, Water/Sanitary Utilities, and Drainage

Impact Fee Studies

- Cover 10-year projection period (Ordinances carry a 5-year maximum period)
- Study and Ordinance must be updated, at a minimum, every five years
- Also used to define development standards

Greenfield Recreation Zone Improvement Plan Study

Benefits of Recreation Impact Fees

- Future residents pay for the increased demand on infrastructure services (defined as Community Level of Service)
- Current residents do not bear the burden of infrastructure expansion due to population growth
- Maintains quality of life as community grows

Development Impact Fees

Development Impact Fees, as described by this Zone Improvement Plan (herein Plan), will shift part of the cost of new and expanded park facilities from the community at large to the new developments that are generating the need for those new and expanded facilities. ***Impact fees, however, cannot be used to finance the current needs of improvements required to raise the Current Level of Service to the Community Level of Service, hereafter referred to as "deficiencies."***



Impact fee logic has long been debated, discussed and endorsed by those who are involved in public finance. In 1991, the Indiana General Assembly enacted legislation [Indiana Code (IC) 36-7-4-1300] (see **Appendix A**) that enables localities to impose Development Impact Fees for certain types of infrastructure improvements, including park and recreational facilities. Among other things required of the locality, the legislation stipulates that:

- An Impact Fee Advisory Committee be appointed
- An Impact Fee Zone be established
- A Zone Improvement Plan be prepared
- An Impact Fee be determined and
- An Impact Fee Review Board be appointed

Park Infrastructure (Impact Fee) Advisory Committee

The Mayor of Greenfield appointed a Recreation Impact Fee Advisory Committee in 2018. The Committee consisted of members of the Park Board, City Council, Home Builders, Financial Institutions, Real Estate Brokers and Developers. City staff members of the Planning and Engineering Departments were included in addition to others appointed to fulfill statutory requirements. The Committee, listed on the acknowledgment page, met on several occasions to research and review data, to establish standards for park facilities, and to formulate the plan and strategies as described herein.

Although the City Council has jurisdiction only within the Greenfield City limits, the Committee concluded early in its deliberations that the Study Area of this Plan should include all of the Greenfield Planning Area Boundary (the same area as encompassed with its Comprehensive Plan) for the following reasons:

- It is reasonable to expect that some properties adjacent to the current corporate boundaries will become part of the City of Greenfield some in the time frame of this study
- The City is continuing to grow into the planning area through voluntary annexation, and
- The City's entire land use planning area is within the future service area of the City

Impact Zone

Within the Study Area, the Advisory Committee recommended the establishment of a single (one) Impact Zone to coincide with the corporate and Comprehensive Planning boundary of the City as it continues to expand in the future through annexations. Thus, the Impact Zone is expected to expand through annexation until it encompasses the entire Planning Jurisdiction and future areas of annexation in the Township(s) within the County. More particular, the Impact Zone boundaries for the City of Greenfield are co-terminus with the existing corporate boundaries of the City, as such boundaries may be extended from time to time through annexation, and over which boundaries the City exercises planning and zoning jurisdiction.

Figure 1 is a map that shows the Study Area which consists of the City's Corporate Boundaries which consists of the future Greenfield Comprehensive Planning Area. The Impact Zone is designated by the green lines that are also the City's Comprehensive Plan boundaries. Also shown (from the comprehensive plan) are the anticipated 10 to 15 year growth limits (red lines). For purposes of this study the 10 to 15 year growth limits were determined by the Advisory Committee to be anticipated growth boundaries for this Infrastructure Improvement Plan Study.

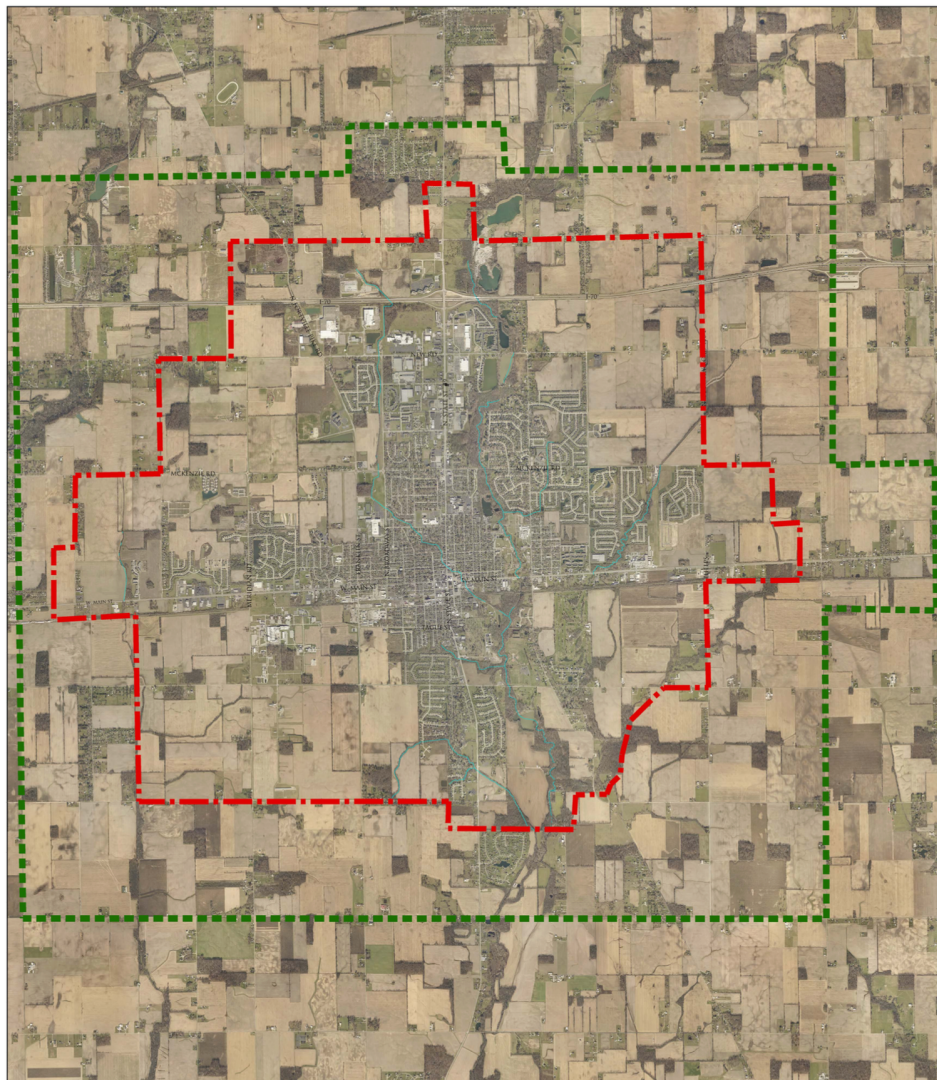
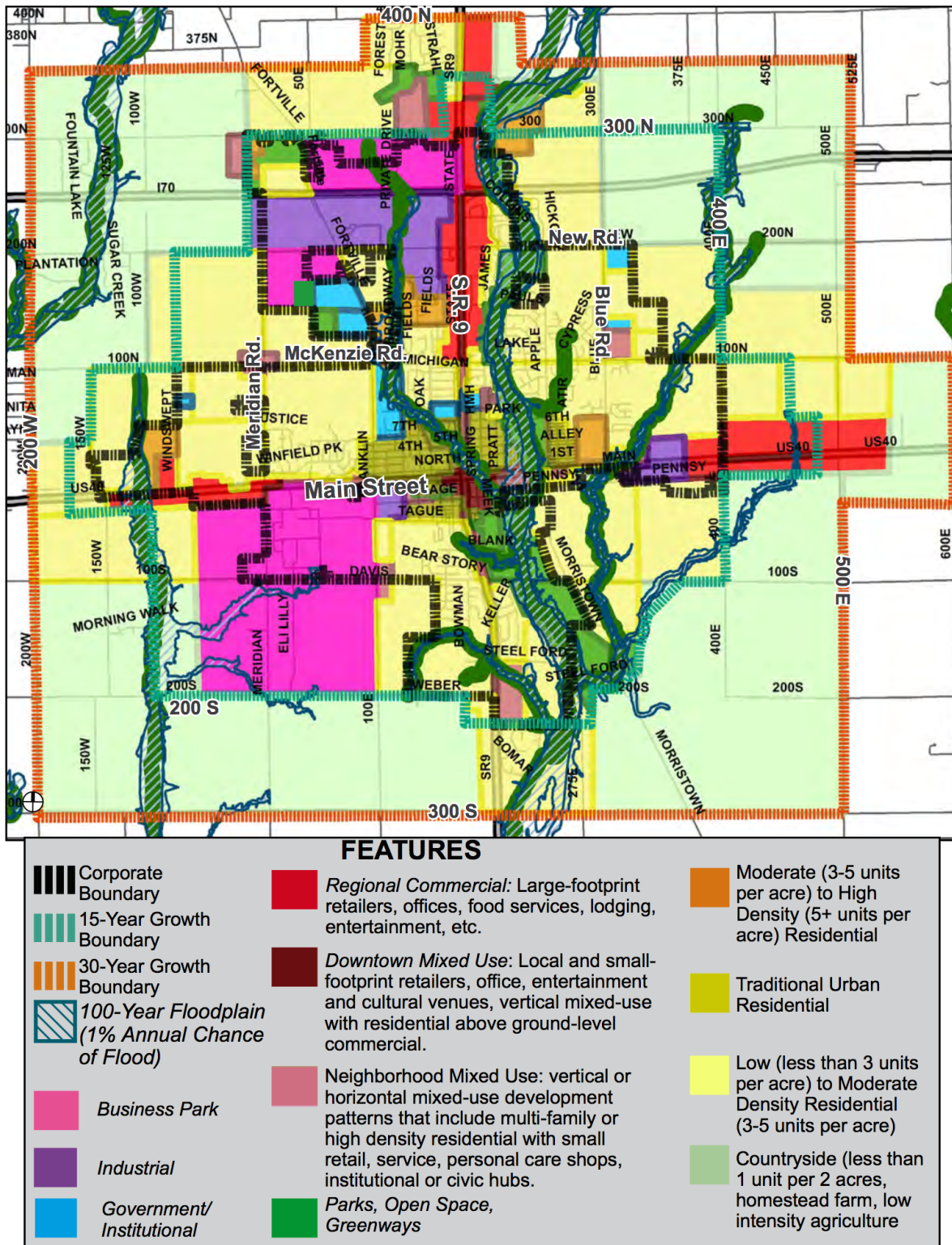


Figure 1 – Study Area (source: City of Greenfield)

Greenfield Recreation Zone Improvement Plan Study

Figure 2 is a map that shows the City's future land use map and the Impact Fee Zone.



City of Greenfield Comprehensive Plan 2015

Figure 2 – Future Land Use Map (source: City of Greenfield)

Zone Improvement Plan

The Zone Improvement Plan is described by this document and examines the existing park facilities, and determines the costs to (A) overcome existing deficiencies and (B) to meet future needs according to Community Level of Service standards established herein.

Impact Fee Review Board

As required by Indiana Code 36-7-4-1338, and before the Impact Fee is implemented, the City will establish an Impact Fee Review Board, consisting of Greenfield citizens. The law requires that the Impact Fee Review Board include one real estate broker and one professional engineer, both licensed in Indiana, and one certified public accountant.

Other Planning Efforts Acknowledged in this Plan

This Recreational Impact Fee study acknowledges the existing and the progress of the implementation of both the City's Comprehensive Plan and Parks and Recreation Master Plan, as constituting the vision for the City and its park system. The Impact Fee recommended in this Plan is a financial strategy that will help achieve that vision.

Conclusions

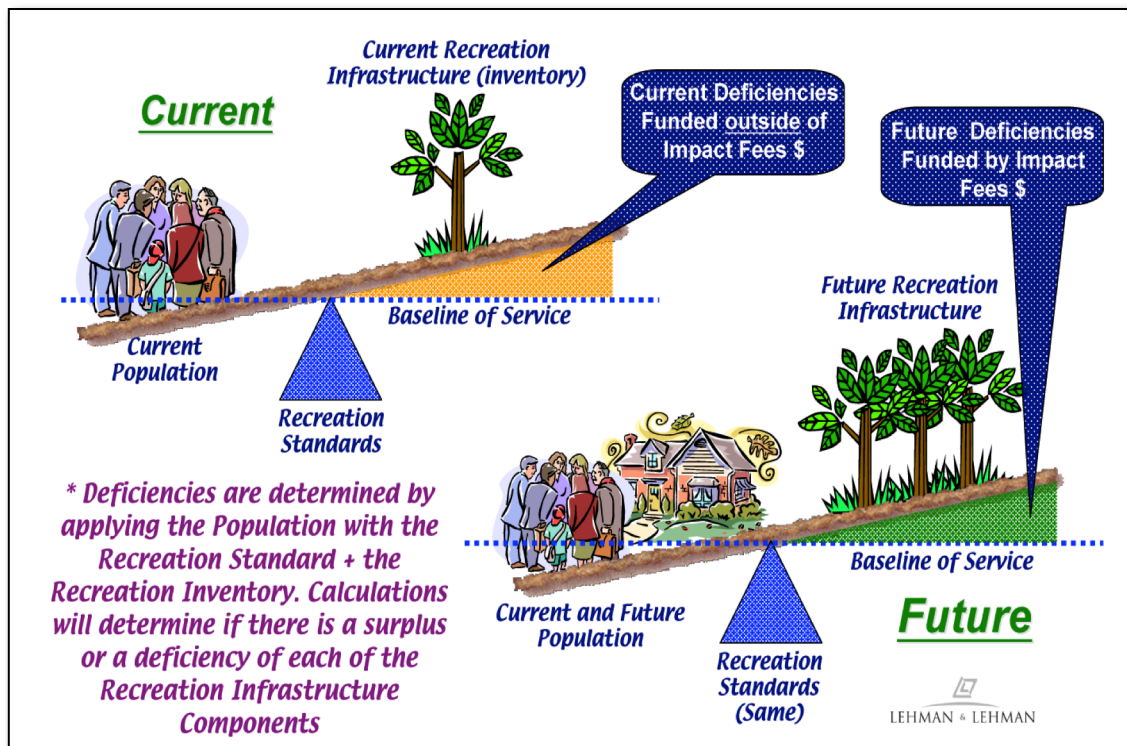
1. The Recreation Impact Fee Advisory Committee recommends to the City of Greenfield that a new Recreation Impact Fee (RIF) Ordinance be adopted instituting a new Recreation Impact Fee of **\$1,313**.
2. The Advisory Committee felt there should continue to be any annual adjustment (i.e. *Gross Domestic Product* annual figure) factored into the impact fee amount has been done in past RIF Ordinances. The Advisory Committee did recommend the application of a Housing Equivalent adjustment. The Advisory Committee noted both of these RIF adjustments as part of the study but deferred a decision in applying these adjustments to the Plan Commission and/or the City Council.
3. Following the State Code [IC 36-7-4-1340(a)], RIF collection will start six months after approval of the ordinance. The funds collected will be kept in a "Recreation Impact Fee" line item of the City's Accounting Budget.
4. The City of Greenfield should establish criteria, as policy, for the acceptance of land donations for park use and/or open space. Also, the City of Greenfield, through its Parks Board, will address, annually, the distribution priorities of the RIF revenues.
5. The City's Park and Recreation Master Plan Update, will reflect the standards and goals established as part of this study.
6. Collection of the RIF will occur when new residential building permits are pulled. As an option, Recreation Impact Fee payments can be established using an installment plan as per IC 36-7-4-1324.
7. Reporting of RIF's transactions will be done annually noting recreation impact fees collected and the disbursements for recreation infrastructure components used as part of the impact fee calculations used during the RIF ordinance period.
8. A new RIF update study will be considered annually but the update study should begin at the end the fourth year of the RIF ordinance allowing time for there to be a smooth transition between the retiring ordinance and the newly adopted ordinance.

Recreation Impact Fee Study Process

The process of defining a Recreation Impact Fee for a community involves a series of steps. Those steps include the following:

1. Establish the Park Impact Fee Advisory Committee
2. Define the Impact Zone
3. Collect current census populations and trends
4. Inventory the current recreation infrastructure for land and facilities (Current Level of Service)
5. Establish Community Level of Service for recreation land and facilities
6. Analyze housing building permits and trends (both inside City limits and within the planning area)
7. Analyze current deficiencies and 10-year infrastructure needs based on Community Level of Service and projected population forecasts
8. Determine costs for meeting current deficiencies and future needs based on Community Level of Service
9. **Recreation Impact Fees (RIF) = Future Recreation Infrastructure Need Costs / Projected 10-year Residential Building Permits**
(As per IC 36-7-4-1321 which states that the Impact Fee = Impact Costs – Non-Local Revenues – Impact Deductions / 10-Year Forecast Building Permits)
10. Prepare a Zone Improvement Plan
11. Recommendations to the Park Board and the Plan Commission
12. Ordinance for City Council's Review and Adoption

Figure 3 – Community Level of Service Illustration



Population and Residential Development Trends

The City of Greenfield and the surrounding planning jurisdiction area have experienced significant population growth in recent years. Since the housing down turn in the last decade the current growth rate of residential development within the City of Greenfield (as well as most of Indiana) has been steadily coming back and is having positive impact by the current economic conditions. It is anticipated that residential development will continue to pick up over the next ten years. How much of an increase will continue to be monitored. This study will look at various sources to determine the new residential growth rate over the next ten years. Keep in mind that these projections will be reviewed and updated when this Zone Improvement Plan is updated within the next five years per IC 36-7-4-1340(b).

During the course of this study the Consultant worked closely with the City Administration and Planning Department to review upcoming residential developments in both Greenfield Planning Jurisdiction as well as existing developments where growth remains.

Trends in Residential Building Growth

Various population projection resources were reviewed including that of the Building Department new residential building permits and U.S. Census, as well as another population growth model discussed below. Future Growth of the City will follow the land use patterns and zoning densities as per the City's Comprehensive Plan. The City of Greenfield's Zoning Plan was used as a resource to evaluate growth in, and adjacent to, the City limits.

Figure 4 below illustrates Greenfield's Residential Growth History in residential building permits per year between the years 1990 to 2017. This table and graphic illustrates the residential downturn around the 2009 time period. The illustration also includes a trend line. The last 20-year average (1997 to 2017) was 182 residential building permits per year. Applying the 2.51 persons per household (2010 Census) this 182 residential building permits would equal around 457 persons per year.

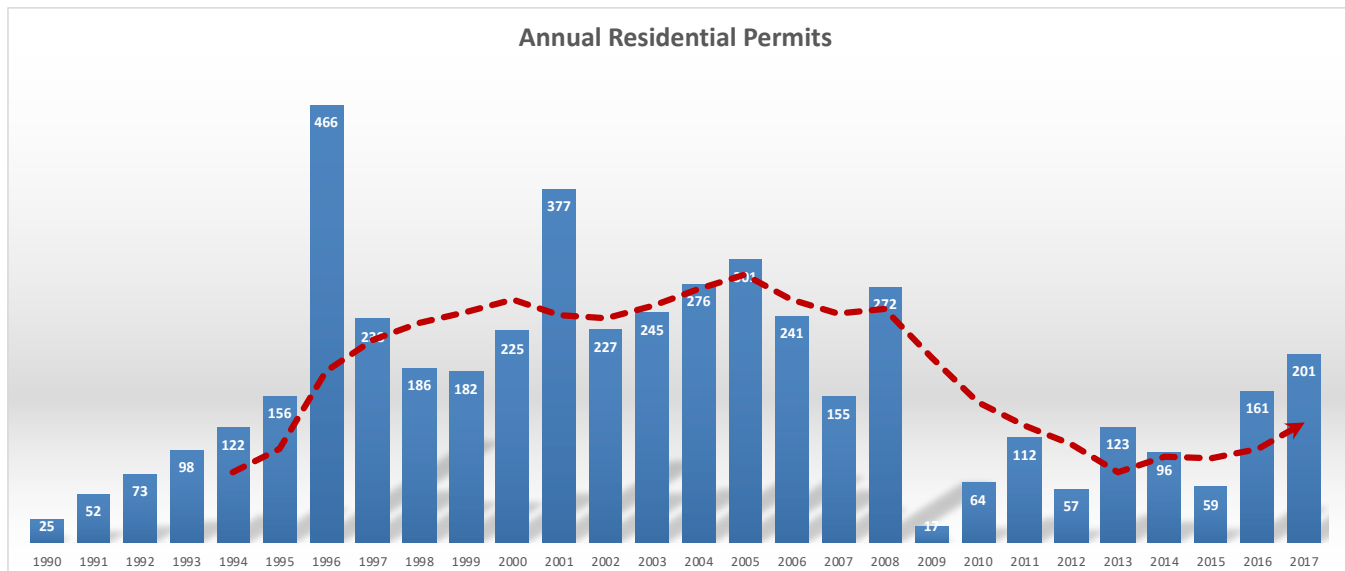


Figure 4 – Greenfield Residential Building Permit History
(source: City of Greenfield)

Parcel Growth by Development Population Projections

The Growth Model adopted by the Advisory Committee was termed Parcel Growth by Development Model. This model is based on the following:

- Acknowledgment of existing developments and growth projections within the current corporate limits
- Identification of land parcels within the current corporate limits of the City whose projected land use is residential development
- The City's own growth strategies are factored into the growth model
- Growth will occur with stimulation of other developments and infrastructure

The analysis examined residential development capacities based on the actual densities of the planned development or the densities permitted in the City's Zoning Ordinance. It is noted that the growth analysis scenarios used do not reflect the intentions of the existing landowners or the intention of the City regarding annexation.

The Consultant worked with the City and created an inventory of development parcels within the Comprehensive Plan's Planning Boundaries; more particularly within the current Corporate Limits. Following the defined Future Land Use Plan of the Comprehensive Plan, each residential development parcel had a development density (housing units per acre) applied to the parcel to determine what "build out" potential each parcel could carry. Besides the un-development parcels, existing developments that have not been completely built out were also inventoried for this growth analysis.

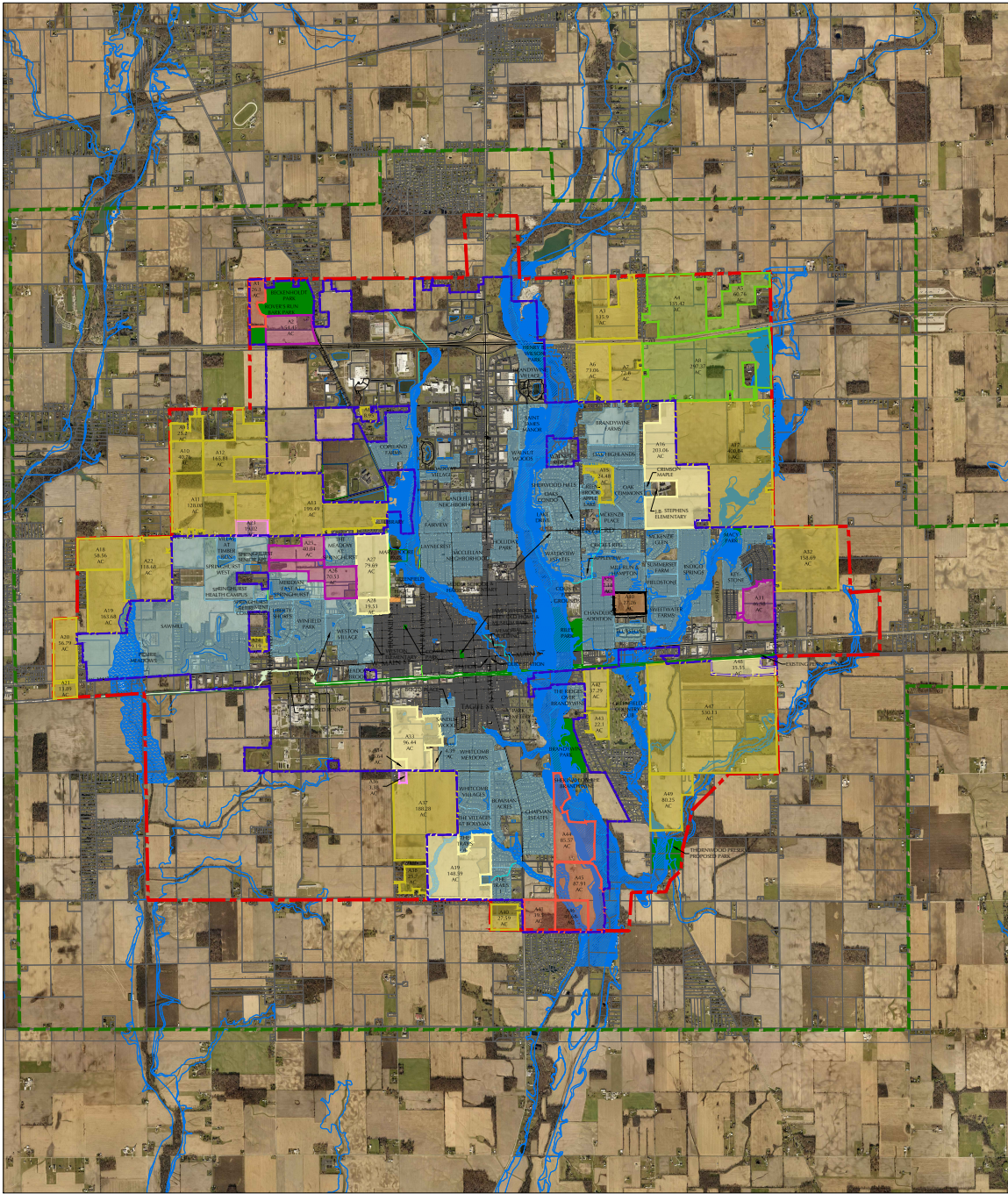
The Analysis process of this growth model involved the Consultant and City's staff going through each of the un-developed parcels plus the existing developments and subdivisions to determine how much could be built out (by percentage) over the next ten years. By applying a different percentage to each parcel different scenarios of growth were generated.

For planning purposes the Consultant, Planning Staff and Advisory Committee analyzed the potential future populations of the City based on the Future Land Use Map and the known housing developments in and around the City. Land tract parcels were drawn on an aerial map (**Figure 5**) of the City and study area.

Figure 5 (below) illustrates the planning area and the residential growth potential for the City. This area covers the Impact Fee Zone of the planning and study limits of the City.



Greenfield Recreation Zone Improvement Plan Study



BASE MAP DISCLAIMER:
Base map information (GIS, aerial photography, etc.) were prepared by the City of Greenfield and provided to Lehman & Lehman, Inc. assumes no liability for the accuracy of this information.

Figure 5 – Greenfield Residential Growth Potential (within the Study Limits) Source:
City of Greenfield (Larger version of the above map available at the City's Planning Department.)

Greenfield Recreation Zone Improvement Plan Study

Population Growth Potential of Planning Area

The following work sheets illustrate the residential growth potential. **Table 1** identifies undeveloped land parcels, its acreage, land use zone, the parcels' potential for residential units, and related populations. The City Planning Department provided a residential density based on the GIS information of existing residential developments in Greenfield. Developable areas of each parcel were calculated with regard to flood plain and typical site infrastructure areas (i.e., retention areas, street right of ways, etc.). The remaining columns identify the 10-year growth potential (as a percentage) and the relative number of residential units and populations. The 2010 Census information of 2.51 persons per household was applied to project populations.

City of Greenfield – Potential Residential Growth Work Sheet

Compiled by: Lehman & Lehman, Inc. including information provided by the City of Greenfield

2/1/18

City Zoning

Zone	AA	A	B	C	PUD
Average Lot Size	0.449 ac.	0.297 ac.	0.230 ac.	0.218 ac.	Varies
Units / Ac.	2.23	3.37	4.35	4.59	5.00

County's Comprehensive Plan Zoning

Zone	Very Low	Low	Low/Med	Med	High
Units / Ac.	1.00	3.00	5.00	7.00	9.00

2010 Census Pop. / Household = 2.51

Updated: 1-Feb-18

Note on Zoning Densities:
The information noted in the table to the left represents the calculations by the City in determining the average lot sizes and densities based on GIS Selection Statistics.
For purposes of calculations of the parcels outside the city but noted as part of the City's Comp Plan it will be assumed that City Zone will apply to the Comp Plan Zoning.
It should be noted also that the Units Per Acre numbers reflect the allowance of the infrastructure acreage.

Map Parcel ID	Acres (Approx.)	Flood Area	Net Area	Residential Zone	Units per Acre	Potential or Planned Residential Units	Potential Residential Population	Percentage of Dev. over next 10 Yrs.	Potential 10 Yr. Forecast of Residential Units	Potential 10 Yr. Forecast of Pop.	Development Location	NOTES
A1	26.10	0.00	26.10	PUD	5.00	182	457	55%	100	251	In City	
A2	54.45	0.00	54.45	B	4.35	237	595	0%	0	0	In City	
A3	135.90	0.00	135.90	Low/Med	5.00	680	1,706	0%	0	0	Out of City	
A4	135.42	0.00	135.42	Low	3.00	406	1,020	0%	0	0	Out of City	
A5	60.76	0.00	60.76	Low	3.00	182	458	10%	18	45	Out of City	
A6	73.06	0.86	72.20	Low/Med	5.00	361	906	10%	36	90	Out of City	
A7	72.80	0.00	72.80	Low/Med	3.00	218	548	25%	55	138	Out of City	
A8	297.37	33.80	263.57	Low	3.00	791	1,985	0%	0	0	Out of City	
A9	25.20	0.00	25.20	Low/Med	5.00	126	316	0%	0	0	Out of City	
A10	40.76	0.00	40.76	Low/Med	5.00	204	512	0%	0	0	Out of City	
A11	128.08	0.00	128.08	Low/Med	5.00	640	1,607	0%	0	0	Out of City	
A12	165.81	0.00	165.81	Low/Med	5.00	829	2,081	4%	37	93	Out of City	
A13	199.49	0.00	199.49	Low/Med	5.00	997	2,504	30%	295	740	Out of City	
A14	8.95	0.00	8.95	TBD	0.00	0	0	NDIV/OI	0	0	In City	Currently zoned Planned Business, Future Zone showed Low/Med
A15	24.48	0.00	24.48	Low/Med	5.00	122	307	10%	12	30	In City	This is McKenzie Terrace
A16	203.06	0.00	203.06	AA	2.23	452	1,135	30%	137	344	In City	
A17	400.84	51.30	349.54	Low/Med	5.00	1,748	4,387	0%	0	0	Out of City	Yellow cell-intentional? Does not follow formulas
A18	58.56	0.00	58.56	Low/Med	5.00	293	735	0%	0	0	Out of City	
A19	97.58	7.52	90.06	Low/Med	5.00	450	1,130	0%	0	0	Out of City	
A20	56.79	0.00	56.79	Low/Med	5.00	284	713	0%	0	0	Out of City	
A21	13.89	0.00	13.89	Low/Med	5.00	69	174	0%	0	0	Out of City	
A22	118.68	7.95	110.73	Low/Med	5.00	554	1,390	10%	58	146	Out of City	
A23	19.02	0.00	19.02	HIGH	9.00	171	430	3%	5	13	Out of City	Neighborhood Mixed Use
A24	9.19	0.00	9.19	Low/Med	0.30	3	8	100%	3	8	Out of City	
A25	40.04	0.00	40.04	B	4.35	174	437	55%	95	238	In City	
A26	70.53	0.00	70.53	B	4.35	307	770	65%	200	502	In City	
A27	79.69	0.00	79.69	AA	2.23	178	446	50%	88	221	In City	
A28	19.53	0.00	19.53	AA	2.23	44	109	18%	8	20	In City	
A29	7.18	0.00	7.18	B	4.35	31	78	19%	6	15	In City	
A30	27.26	0.00	27.26	C	4.59	125	314	70%	87	218	In City	
A31	46.98	0.00	46.98	B	4.35	204	513	0%	0	0	In City	This is Keystone Subdivision
A32	158.69	0.00	158.69	Low/Med	5.00	793	1,992	25%	200	502	Out of City	
A33	60.00	0.00	60.00	AA	3.00	180	452	25%	45	113	In City	
A34	5.64	0.00	5.64	AA	2.23	13	32	0%	0	0	In City	
A35	4.39	0.00	4.39	AA	2.23	10	25	0%	0	0	In City	
A36	3.38	0.00	3.38	HIGH	9.00	30	76	0%	0	0	Out of City	Neighborhood Mixed Use
A37	188.28	0.00	188.28	Low-Med	5.00	941	2,363	3%	25	63	Out of City	
A38	25.70	0.00	25.70	Low-Med	5.00	129	323	5%	6	15	Out of City	
A39	148.59	10.31	138.28	AA	2.23	308	774	30%	92	231	In City	
A40	27.59	0.00	27.59	Low-Med	5.00	138	346	0%	0	0	Out of City	
A41	39.50	0.00	39.50	PUD	5.00	198	496	5%	9	23	In City	
A42	37.29	0.00	37.29	Low-Med	2.50	93	234	30%	28	70	Out of City	
A43	22.10	0.00	22.10	Low-Med	2.50	55	139	31%	17	43	Out of City	
A44	85.57	48.07	37.50	PUD	5.00	188	471	4%	8	20	In City	
A45	87.91	39.30	48.61	PUD	5.00	243	610	5%	11	28	In City	
A46	41.68	9.96	31.72	PUD	5.00	159	398	0%	0	0	In City	
A47	530.13	43.51	486.62	Low/Med	5.00	2,433	6,107	0%	0	0	Out of City	
A48	35.55	0.00	35.55	AA	2.23	79	199	0%	0	0	In City	
A49	80.25	7.13	73.12	Low/Med	5.00	366	918	0%	0	0	Out of City	
	4,299.69	259.71	4,039.98	---	---	17,419	43,721	10%	1,681	4,219		

Table 1 – Greenfield Potential Residential Growth Work Sheet of Undeveloped Land Parcels

Greenfield Recreation Zone Improvement Plan Study

Similarly **Table 2** identifies the existing, or planned residential developments within the City. These existing subdivisions currently contain vacant lots for development. The City provided this inventory information to the Consultant for inclusion with this analysis. In the same fashion as the analysis in **Table 1** assumptions were made on these developments' 10-year build out.

City of Greenfield – Existing Residential Developments with Remaining Growth

3/10/18

Updated with Information Provided by City in December 2017

2010 Census Pop. / Household = 2.51

Compiled by: Lehman & Lehman, Inc. from information provided by City of Greenfield

Map Parcel ID	Development's Name	Total Planned Residential Units	Existing Residential Units	Assumed Residential Population	Remaining Residential Units	Potential Population Growth	Assumed 10 Yr. Buildout	Applied 10 Yr. Units Growth	Applied 10 Yr. Population Growth	NOTES
A.A	Accolade Apts. Multi Family	240	0	602	240	602	100.00%	240	602	
A.E	Apple Lake Estates	42	42	105	0	0		0	0	
A.V	Appleview	21	20	50	1	3	100.00%	1	3	as of 12/31/17
B.P	Boots Place	23	16	40	7	18	100.00%	7	18	as of 12/31/17
B.A	Bowman Acres	130	130	326	0	0		0	0	
B.As	Boyd Acres	33	33	83	0	0		0	0	
B.F	Brandywine Farms (now "A14")	213	0	0	213	535	65.00%	138	348	
B.S	Bluestone (MF)	208	208	522	0	0		0	0	
B.T	Brandywine Trace	3	1	3	2	5	0.00%	0	0	as of 12/31/17
B.V	Brandywine Village	127	127	319	0	0		0	0	
BWF	Broadway Flats (Multi Family)	54	54	136	0	0	100.00%	0	0	as of 12/31/17
B.V	Broadway Village MultiFamily	160	160	402	0	0		0	0	
C.N	Candlelite Neighborhood	166	166	417	0	0		0	0	
C.A	Chandler's Addition	145	145	364	0	0		0	0	
C.E	Chapman Estates	178	176	442	2	5	100.00%	2	5	as of 12/31/17
C.F	Copeland Farms	257	256	643	1	3	50.00%	1	1	as of 12/31/17
C.R	Crocket Reel	81	77	193	4	10	100.00%	4	10	as of 12/31/17
C.M	Crimson Maple	2	1	3	1	3	100.00%	1	3	as of 12/31/17
F.V	Fairview	122	122	306	0	0		0	0	
F.S	Fieldstone	102	102	256	0	0		0	0	
F.G	Forest Glen	12	12	30	0	0		0	0	
F.P	Franklin Place	31	31	78	0	0		0	0	
G.B	Greenbrook	43	43	108	0	0		0	0	
H.P	Holiday Park	109	109	274	0	0		0	0	
I.S	Indigo Springs	303	303	761	0	0		0	0	
K.S	Keystone	519	282	708	237	595	100.00%	237	595	as of 12/31/17
L.D	Lake Drive	23	23	58	0	0		0	0	
L.C	Layne Crest	205	205	515	0	0		0	0	
L.R	Lexington Run	13	13	33	0	0		0	0	
L.S	Liberty Shores	74	74	186	0	0		0	0	
M.N	McClellan / Maplelawn	104	104	261	0	0		0	0	
M.W	McKee Woods	4	0	0	4	10	25.00%	1	3	as of 12/31/17
M.G	McKenzie Glen	50	40	100	10	25	100.00%	10	25	as of 12/31/17
M.P	McKenzie Place	124	112	281	12	30	100.00%	12	30	as of 12/31/17
M.T	McKenzie Terrace	46	0	0	46	115	75.00%	35	87	as of 12/31/17
M.B	Meadowbrook	24	24	60	0	0		0	0	
M.E	Meridian East at Springhurst	118	70	176	48	120	100.00%	48	120	as of 12/31/17
M.S	Meadows at Springhurst	101	62	156	39	98	100.00%	39	98	as of 12/31/17
M.H	Mill Run & Hampton	253	253	635	0	0		0	0	
O.C	Oak Commons	217	217	545	0	0		0	0	
O.H	Oak Highlands	141	141	354	0	0		0	0	as of 12/31/17
O.O	Oak Hollow	34	34	85	0	0		0	0	completed
R@B	Reflections at Bluestone	106	106	266	0	0		0	0	as of 12/31/17
S.J	Saint James Manor	36	33	83	3	8	100.00%	3	8	as of 12/31/17
S.W	Sandlewood	82	81	203	1	3	100.00%	1	3	as of 12/31/17
S.M	Sawmill	1290	256	643	1,034	2,595	35.00%	362	908	as of 12/31/17
P.M	Prairie Meadows (Sawmill PUD)	225	176	442	49	123	100.00%	49	123	as of 12/31/17
S.H	Sherwood Hills	183	183	459	0	0		0	0	
ASO	Springhurst West	630	0	0	630	1,581	10.00%	63	158	as of 12/31/17
S.F	Summerset I & II	84	43	108	41	103	100.00%	41	103	as of 12/31/17
S.F	Sweetwater Farms	151	151	379	0	0		0	0	
S.P	Stonehurst Pointe	45	45	113	0	0		0	0	as of 12/31/17
S.R.C	Springhurst Retirement Comm.	38	24	60	14	35	100.00%	14	35	as of 12/31/17
O.C	The Oaks Condominium	22	22	55	0	0		0	0	
R.B	The Ridges Over Brandywine	29	7	18	22	55	80.00%	18	44	as of 12/31/17
T.T	The Trails	57	37	93	20	50	65.00%	13	33	as of 12/31/17
V.B	The Village at Bowman	50	43	108	7	18	70.00%	5	12	as of 12/31/17
V.T.R	Villas at Timber Run	76	76	191	0	0		0	0	as of 12/31/17
W.R	Walnut Ridge	14	14	35	0	0		0	0	
W.W	Walnut Woods	24	13	33	11	28	65.00%	7	18	as of 12/31/17
W.E	Waterview Estates	162	162	407	0	0		0	0	
W.H	Wellington Heights	10	10	25	0	0		0	0	
W.G	Weston Green	54	54	136	0	0		0	0	
W.V	Weston Village	142	142	356	0	0		0	0	
W.M	Whitcomb Meadows	203	203	510	0	0		0	0	
W.V	Whitcomb Village	112	112	281	0	0		0	0	
W.T	Windmill Trails (now "A2")	0	0	0	0	0	0.00%	0	0	plat expired -Parcel #A-2
W.P	Winfield Park	222	222	557	0	0		0	0	
TOTALS		8,662	6,203	15,570	2,459	6,172	45.18%	1,111	2,789	

Table 2 – Greenfield Potential Residential Growth Work Sheet of Existing Developments

Greenfield Recreation Zone Improvement Plan Study

Potential Residential Growth Summary Forecast

From the analysis and work sessions with the Planning Staff of the City the following is the projection of residential growth over the next 10 years. Also, it should be noted that the assumed population at the end of 2017 (22,213 persons) was factored by the Planning Staff and provided to the Consultant. The findings indicate that the City will grow, in population, by 7,008 by the year 2027 for a total population of 29,221. **Table 3** below highlights this summary information.

Summary of Growth within Existing Developments:	Remaining Residential Units	Potential Population Growth		Applied 10 Yr. Units Growth	Applied 10 Yr. Population Growth	10 Yr. Buildout Percentage
Summary of Totals (existing developments):	2,459	6,172		1,111	2,789	45.18%
Totals of Growth from New Development Parcels:	17,419	43,721		1,681	4,219	9.65%
TOTALS:	19,878	49,893		2,792	7,008	14.05%
Estimated Population (2017):		22,213			22,213	
Potential Future Population:		72,106			29,221	

Table 3 – Potential Residential Growth Summary

Expectations of Population Growth / Residential Building Permit Projections

From the previous analysis the population growth forecast over the next 10 years is tabulated in the following tables and includes projected new residential building permits applying the 2.51 persons per household established in 2010 Census. The following **Table 4** illustrates the historical population growth over the previous decades and forecasts of population growth over the next 10-year period.

City of Greenfield Population

Current and Projected – All Development Potential (within the City Limits)

2010 Census of Persons per Household = **2.51**

	2000	2010	2012	2017	2018	2019	2020
Total City of Greenfield	14,600	20,602	21,056	22,213	22,435	22,716	23,056
Annual Growth Rate (Est.)					1.00%	1.25%	1.50%
Households (at 2.51 / house)	6,058	8,208	8,389	8,850	8,938	9,050	9,186
Total New Households					88	112	136
Growth / Year (Persons)				0	222	280	341
Growth / Year Annexation					0	0	0

	2021	2022	2023	2024	2025	2026	2027
Total City of Greenfield	23,460	23,964	24,623	25,460	26,492	27,737	29,221
Annual Growth Rate (Est.)	1.75%	2.15%	2.75%	3.40%	4.05%	4.70%	5.35%
Households (at 2.51 / house)	9,347	9,547	9,810	10,144	10,554	11,050	11,642
Total New Households	161	201	263	334	411	496	591
Growth Per Year (Persons)	403	504	659	837	1,031	1,245	1,484
Growth / Year Annexation	0	0	0	0	0	0	0

4/23/18

Population Scenario

Year	New Building Permits	New Pop.
2018	88	222
2019	112	280
2020	136	341
2021	161	403
2022	201	504
2023	263	659
2024	334	837
2025	411	1,031
2026	496	1,245
2027	591	1,484
Total:	2,792	7,008
Average:	279	701

2.79% = assumed average annual growth rate

Table 4 – Current and Projected Population and Building Permit Growth

Greenfield Recreation Zone Improvement Plan Study

Included in the above table is a projected annual growth rate for the Impact Zone. This growth rate percentage factors in the relative flat growth the state, and country, has been experiencing in the housing market. It does project an annual growth rate that best matches the growth strategies in the previous section of this study. The overall growth projection is 2,792 residential units (7,008 persons) with an annual ten-year growth rate of 2.79%. This growth assumes that other development infrastructure components (public utilities, roads, drainage, etc.) will be implemented in advance, or in conjunction with, the residential developments.

Note that since Recreation Impact Fees cannot be collected until six months after the ordinance is approved the revenue calculations for building permits will not include those projected in the six months after the ordinance approval.

Following is **Figure 6** that illustrates the historical growth of the City and the projected growth over the coming ten years.

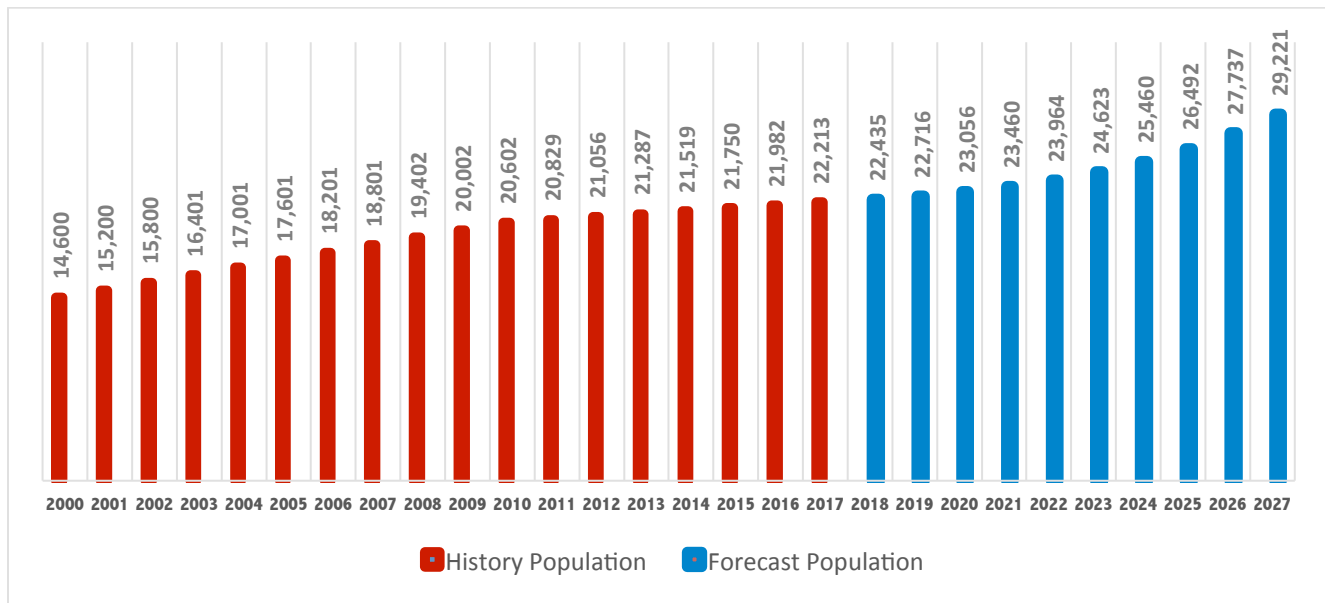


Figure 6 – Historic and Projected Population of the City of Greenfield



Existing Park Land Facilities

Park Sites and Acreage Needed

Typically Park Master Plans categorize parks as block, neighborhood, community or special parks, depending on the size of the park and the population that the park is intended to serve. The park types can also be defined by not only the acres but also by the components found in the parks themselves. The following definitions are consistent with those found in the current Park and Recreation industry.

Definitions:

- **Block Park** – A small park located within residential areas that serves concentrated or limited population. Typical size is less than 5 acres of land.
- **Neighborhood Park** – An area that provides recreation opportunities within walking distance of residents. Typical size is between 5 and 50 acres of land.
- **Community Park** – An area that provides recreation opportunities for two or more neighborhoods. Typical size is between 51 and 400 acres of land.
- **Special Park** – An area that provides recreation resources and opportunities to all local communities as well as those within the local region. This park type could be a preservation area as well as linear trail and greenway system. Typical size is 100+ acres of land.

Table 5, Park Site Inventory provides an inventory of the parks, their acres, and type within the existing impact zone. There are 348.40 acres of land that make up the Greenfield Park System. There are other park/open space areas that are acknowledged as having “open space” but were not factored into the park/open space standards for the City since they are not part of the Park System. These include the various churches and other service organizations. In the same way the existing school properties were acknowledged as having some open space but were also not factored into the analysis.

There are standards that exist for the amount of acres of various park/open space lands for each of the above park types. As noted, the total existing City park acreage (*not including parks in existing subdivisions, open space on school properties*) equals 348.40 acres. There are two reasons that existing recreation components and parks found in existing subdivisions are not included in this tally: 1) these recreation and open spaces are not part of the City’s Park System and 2) these facilities were sized and developed for use by the residents of that particular development and were not intended for usage by the overall community. When

Greenfield – Park Inventory

24-Nov-18

Park Department Facilities	Acres	Park Type
Commons Park	0.30	Block
Pennsy Trail Phase One & Two	63.60	Linear
Mary Moore Park	8.00	Community
James Whitcomb Riley Park	47.60	Community
J. W.Riley Home/Gardens	0.60	Special
Brandywine Park	62.00	Community
Henry B. Wilson Park	13.60	Community
Thornwood Preserve	40.00	Community
Beckenholdt Park	73.00	Community
Macy Park	12.70	Neighborhood
Franklin Park	27.00	Community

SUBTOTAL 348.40

Park Type	Acres	Percentage
Community Park Acres	271.20	77.84%
Neighborhood Park Acres	12.70	3.65%
Block Park Acres	0.30	0.09%
Special / Linear Park Acres	64.20	18.43%
TOTALS	348.40	100.00%

Totals Do **Not** Include “Other”/“School” Facilities Acres

Table 5 – Park Site Inventory

Greenfield Recreation Zone Improvement Plan Study

applying the current population against the acreage inventory it calculates out to a current level of service of 15.53 acres per 1,000 persons (refer to **Table 6**).

The Advisory Committee recommended, for the purpose of this study, that the Greenfield Community Level of Service for Park and Open Space land be established at 15.00 acres per 1,000 persons.

The following **Table 6** illustrates the surpluses and deficiencies of land for park and open space purposes for one Impact Zone. The upper portion of the table illustrates how each park type acres would be analyzed individually. Note that the standards used, in Column D, are typical for communities in Indiana. This standard combinations equals 13.50 acres / 1,000 persons. The bottom portion of the table indicates the Greenfield Community Level of Service of 15.00 acres / 1,000. Based on the current 2017 inventory and applying the 15.00 acres / 1,000 persons (the 2018 population) there will be a surplus of 11.87 acres in 2018. And, in order to meet the standard for the projected population there will be a need for an additional 89.91 acres of park and open space in 2027.

Greenfield – Recreation Impact Fee – Park System Analysis

LAND INVENTORY – CURRENT LEVEL OF SERVICE

24-Nov-18

City Wide Analysis							
Estimated 2018 and Projected Populations (including Annex. Pop.) =						22,435	29,221
A	B	C	D	E	F	G	H
Park Type	Typical Park Size (Acres)	Total Existing Acreage	Acres Standards / 1,000	Current Acreage Stds./1,000	Current Acreage Needs	2018 Surplus or Deficiency	2027 Needed if current deficiency IS met
Block Park	1 to 5	0.30	0.50	0.01	11.22	(10.92)	(14.31)
Neighborhood Park	4 to 15	12.70	3.00	0.57	67.31	(54.61)	(74.96)
Community Park	10 to 70	271.20	8.00	12.09	179.48	91.72	37.44
Linear Parks	2.00	64.20	2.00	2.86	44.87	19.33	5.76
Total Surplus or Deficiency		348.40	13.50	15.53	302.87	45.53	(46.08)

Data updated from the Park and Recreation Master Plan.

Using the Current Land Inventory as the Standard for Park Land and Open Space the Acres Standard per 1,000 persons would be (includes current population) =	15.53
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LAND INVENTORY – COMMUNITY LEVEL OF SERVICE

Greenfield Acres Standard					2027 Pop.
Populations =					22,435
					29,221
I	J	K	L	M	N
Park Type	Total Existing Acreage	Community Level of Service - Acres Standards / 1,000	2018 Acreage Needs	2018 Surplus or Deficiency	2027 Needed if current deficiency IS met
Total Surplus or Deficiency	348.40	15.00	336.53	11.87	(89.91)

Suggestion standard acres / 1,000 persons -----^

Table 6 – Land Inventory – Current Level of Service and Community Level of Service

In many communities the utilization of school sites and facilities is factored in to help meet future park needs reducing both the total cost of the park system and the amount of the impact fee needed to help pay for the system. Such strategies, involving the municipality and School Districts, have worked cooperatively with each other, developing land jointly and sharing facilities whenever possible for the mutual benefit of the municipality and the School District. Such intergovernmental cooperation has led to the development of schools and parks adjacent to one another. In this way, for example, the same ball field might be used during school hours for physical education classes and during non-school hours for City-sponsored league play.

This collaborative strategy model should be explored by the City and the School District to determine how best to move forward. The City and the School Board should give consideration in the future the establishment of formal Memoranda of Understanding for shared uses of sites and facilities for each entity's programming and public use. This will have a significant impact on the community levels of service for the Greenfield's community. It is also important to note that in order to satisfy requirements in the State impact fee legislation, the City would not be able to use money collected from the proposed impact fee to help pay for acreage needed to overcome a current deficiency. With respect to land acquisition, money generated by the impact fee can be used only toward acquiring the various acreage needed to meet the future needs resulting from projected population growth.

Existing Infrastructure of Recreation Facilities

Park Facilities and Current Level of Service [IC 36-7-4-1318 (b)(2)]

In order to know whether existing park and recreation facilities are adequate to meet the needs of the current population, the City established standards for the amount of various types of facilities needed to serve a given amount of population. The desirable local standards for the various types of facilities are stated in the column titled "Greenfield Community Level of Service" in the following table.

For example, the City has established a standard for multi purpose fields that calls for one (1) multi purpose fields for every 7,000 persons. Refinements were given on the standards for each recreation facility component from that of the Park Master Plan Update. The inventory of recreation components found within the Park System and those found in the community as a whole can be found in **Appendix E: Park and Recreation Infrastructure Inventory**. [IC 36-7-4-1318 (b)(1)]

In tallying the recreation facilities the Advisory Committee included both the facilities of the Greenfield Parks and Recreation as well as those other recreation facilities serving the public found within the community. These two inventories are tallied and included in **Table 7 [as required in IC 36-7-4-1318 (b)(2)]**. The recreation facility standards were updated from the previous five-year master plan. New standards were established for the additional recreation facilities added to this list. State and/or National standards were used as a reference but much analysis was done as to the current inventory and the community needs for each of the facilities.

The application of the local standard to the current population enables the current need to be established and surpluses or deficiencies calculated. The various columns in the top of **Table 7** show:

1. *The recreation facility component being considered (Column A)*
2. *The standard for the number of persons that each facility should serve (Column B)*
3. *Total existing number of each type of recreational facility (i.e. baseball fields, softball fields, basketball courts, tennis courts, etc.) in both the Park System as well as public facilities in the community (Columns E and F)*
4. *The needed number of each facility type based on application of the standard to the present population (Column H)*
5. *The surplus or deficiency of each facility relative to current population, based on the applicable standard (Column J)*

For example, referring to multi purpose fields in **Table 7**, there is one (1) multi purpose field as part of the Park System (Column E) and an additional five (5) multi purpose fields in the community (Column F). In meeting the current Community Level of Service the City should have 3.21 multi purpose fields (Column H). If you applied only the park system's inventory there would be a deficiency of 2.21 multi purpose fields. Yet, there is a total of 6.00 multi purpose fields that exist in the community (adding together the park system and the community

Greenfield Recreation Zone Improvement Plan Study

inventories – Column G). This analysis will be important in applying priorities to each of the recreation components.

The Consultant worked with the Park Staff in establishing priorities of recreation components. These priorities were established based on the Park Department's perception, user feedback from the community, etc. along with which components might best benefit in the inclusion of the Recreation Impact Fees. The priority ranking was "A"-Top Priority, "B"-High Priority, "C"-Low Priority and "D"-Not Priority. The Advisory Committee and Park Department selected five (5) infrastructure components as the "A" priorities that were Skate/Bike Park, Park Shelters/Gazebos, Playgrounds, Trails and Park Acres. Those priorities are illustrated in the shaded lines in the following table.

The following **Table 7** represents the Facility Inventory and Needs projections for the current and future populations. This table is the inventory and needs for the Impact Zone and it indicates the Greenfield Recreation Standards, the current number of facility components, the needed component number based on both current and future populations and the surplus or deficiency of the recreation component. This table also includes the parkland (acres) component.

Greenfield Park System Analysis

FACILITY INVENTORY • LEVEL OF SERVICE • NEEDS

24-Nov-18

City Wide Analysis (All Facilities)							22,435	29,221 = Projected 2027 Pop.						
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Facility	Greenfield Community Level of Service	Community Level of Service / 1,000 Pop.	Current Level of Service / 1,000 Pop.	Current Facilities in the Park Dept.	Current Facilities within the Comm.	Total Inventory of Facilities	Community Level of Service 2018 Population	2018 Surplus or Deficiency	Current Deficiencies (Community Level of Service)	2018 Surplus or Deficiency (CLS) Factor All Facilities	Community Level of Service 2027 Population	2027 Needs if current deficiency is met	2027 Needs (Community Level of Service)	2018 Priorities
Baseball Diamonds	1/5,000	0.20	0.22	5.00	7.00	12.00	4.49	0.51	0.00	7.51	5.84	(0.84)	0.84	B
Softball Diamonds	1/7,000	0.14	0.13	3.00	1.00	4.00	3.21	(0.21)	0.21	0.79	4.17	(0.97)	0.97	C
Multi Purpose Fields	1/7,000	0.14	0.04	1.00	5.00	6.00	3.21	(2.21)	2.21	2.79	4.17	(0.97)	0.97	B
Soccer Fields	1/1,250	0.80	1.03	23.00	2.00	25.00	17.95	5.05	0.00	7.05	23.38	(0.38)	0.38	B
Football Fields	1/7,000	0.14	0.00	0.00	3.00	3.00	3.21	(3.21)	3.21	(0.21)	4.17	(0.97)	0.97	D
Tennis Courts	1/5,000	0.20	0.27	6.00	10.00	16.00	4.49	1.51	0.00	11.51	5.84	0.16	0.00	C
Running / Walking Track (Comm)	1/20,000	0.05	0.00	0.00	5.00	5.00	1.12	(1.12)	1.12	3.88	1.46	(0.34)	0.34	C
Basketball Courts (outdoors)	1/4,000	0.25	0.09	2.00	0.00	2.00	5.61	(3.61)	3.61	(3.61)	7.31	(1.70)	1.70	C
Volleyball Courts	1/7,000	0.14	0.00	0.00	1.00	1.00	3.21	(3.21)	3.21	(2.21)	4.17	(0.97)	0.97	D
Skate/Bike Park (Neighborhood)	1/15,000	0.07	0.04	1.00	0.00	1.00	1.50	(0.50)	0.50	(0.50)	1.95	(0.45)	0.45	A
Climbing / Challenge Elements	1/18,000	0.06	0.00	0.00	0.00	0.00	1.25	(1.25)	1.25	(1.25)	1.62	(0.38)	0.38	D
Park Shelters / Gazebos	1/3,000	0.33	0.31	7.00	0.00	7.00	7.48	(0.48)	0.48	(0.48)	9.74	(2.26)	2.26	A
Park Restrooms	1/5,000	0.20	0.22	5.00	0.00	5.00	4.49	0.51	0.00	0.51	5.84	(0.84)	0.84	C
Rental Facility	1/8,000	0.13	0.18	4.00	1.00	5.00	2.80	1.20	0.00	2.20	3.65	0.35	0.00	C
Interpretive Center	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D
Environmental Center	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D
Outdoor Entertainment Venue	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D
Recreation / Community Center	1/15,000	0.07	0.04	1.00	0.00	1.00	1.50	(0.50)	0.50	(0.50)	1.95	(0.45)	0.45	B
Playgrounds (Neighborhood/Comm.)	1/3,500	0.29	0.31	7.00	3.00	10.00	6.41	0.59	0.00	3.59	8.35	(1.35)	1.35	A
Skating Rinks (hockey)	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D
Skating Area (non-hockey)	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D
Swim. Pool / Water Park	1/10,000	0.10	0.04	1.00	1.00	2.00	2.24	(1.24)	1.24	(0.24)	2.92	(0.68)	0.68	B
Sprayground / SplashPad	1/10,000	0.10	0.00	0.00	0.00	0.00	2.24	(2.24)	2.24	(2.24)	2.92	(0.68)	0.68	B
Golf Course 18-hole	1/50,000	0.02	0.00	0.00	2.00	2.00	0.45	(0.45)	0.45	1.55	0.58	(0.14)	0.14	D
Driving Range	1/50,000	0.02	0.00	0.00	2.00	2.00	0.45	(0.45)	0.45	1.55	0.58	(0.14)	0.14	D
Dog Park Area	1/30,000	0.03	0.04	1.00	0.00	1.00	0.75	0.25	0.00	0.25	0.97	0.03	0.00	D
Maintenance Facilities (Hub)	1/25,000	0.04	0.04	1.00	0.00	1.00	0.90	0.10	0.00	0.10	1.17	(0.17)	0.17	B
Maintenance Facilities (Satellite)	1/15,000	0.07	0.04	1.00	0.00	1.00	1.50	(0.50)	0.50	(0.50)	1.95	(0.45)	0.45	C
Multi-use / Nature Pathways (miles)	0.4 mile / 1,000	0.40	0.39	8.74	0.00	8.74	8.97	(0.23)	0.23	(0.23)	11.69	(2.71)	2.71	A
Park / Open Space Acres	15.0 / 1,000	15.00	15.53	348.40	0.00	348.40	336.53	11.87	0.00	11.87	438.31	(89.91)	89.91	A

Current Facilities Data taken from the 2018 Park and Recreation Master Plan.

DEVELOPMENT PRIORITY:

Top Need	A
Need	B
Marginal Need	C
Not Priority	D

Table 7 – Facilities Inventory and Needs

The Advisory Committee reviewed and established new standards, or Community Level of Service, to reflect the desired needs of the various recreational infrastructure components. These standards are based on current assumptions of the needs of the community so they need to be reviewed annually by the Park Board. Current facilities not part of the Park System but found within the zone were also noted. Many of these non-park system components serve a need in the level of service. Therefore, the standards used reflect the impact of all recreation infrastructure components to the level of service found within the community. Again, only the inventory of the Park System was used in determining the current deficiencies and future needs reflected in the Recreation Impact Fee analysis.

Greenfield Recreation Zone Improvement Plan Study

As was suggested with the park land inventory, it is again recommended that the City, the School Board and other recreation providers give consideration in the establishment of formal Memoranda of Understanding for shared uses of sites and facilities for each entity's programming and public use. This will have a significant impact on the community levels of service for the Greenfield's community. It was noted, in this study, that many of the school facilities used by Greenfield students are located outside of the City's boundaries. Such collaboration between the School District and the City may best be achieved with school facilities within the Greenfield Planning District.

For the purposes of this study analysis the current and future needs and their related costs were leveraged using the prioritized recreation components.

Park Facilities – Community Level of Service [IC 36-7-4-1318 (b)(3)] Summary of Park Facilities Analysis

The number and types of recreational facilities needed currently and in the future were determined using the standards established earlier in the plan and applied to only those components found within the Park System. To overcome current deficiencies the City needs to add the recreation components listed under current deficiencies over the next ten-year period through funding outside of Recreation Impact Fees. (Note the recreation components have been arranged by priority.)

To meet the 2027 projected growth and factoring in that the current deficiencies will be met, the City will need to add to its Park System the recreation components listed under future needs over the next ten-year period, using RIF proceeds. (Note the components have been listed in priority groupings in *Table 8*.)

Current Deficiencies and Future Needs

Table 8 Illustrates the Current Deficiencies and Future needs of the four priority levels and the number of recreation infrastructure components required.

Current Deficiencies and Future Needs			
Current Deficiencies (2018)		Future Needs (2027)	
"A" Priorities	Number	"A" Priorities	Number
Skate/Bike Park (Neighborhood)	0.50	Skate/Bike Park (Neighborhood)	0.45
Park Shelters / Gazebos	0.48	Park Shelters / Gazebos	2.26
Playgrounds (Neighborhood/Comm.)	0.00	Playgrounds (Neighborhood/Comm.)	1.35
Multi-use / Nature Pathways (miles)	0.23	Multi-use / Nature Pathways (miles)	2.71
Park / Open Space Acres	0.00	Park / Open Space Acres	89.91
"B" Priorities	Number	"B" Priorities	Number
Baseball Diamonds	0.00	Baseball Diamonds	0.84
Soccer Fields	0.00	Soccer Fields	0.38
Multi Purpose Fields	2.21	Multi Purpose Fields	0.97
Recreation / Community Center	0.50	Recreation / Community Center	0.45
Swim. Pool / Water Park	1.24	Swim. Pool / Water Park	0.68
Sprayground / SplashPad	2.24	Sprayground / SplashPad	0.68
Maintenance Facilities (Hub)	0.00	Maintenance Facilities (Hub)	0.17
"C" Priorities	Number	"C" Priorities	Number
Softball Diamonds	0.21	Softball Diamonds	0.97
Tennis Courts	0.00	Tennis Courts	0.00
Running / Walking Track (Comm)	1.12	Running / Walking Track (Comm)	0.34
Basketball Courts (outdoors)	3.61	Basketball Courts (outdoors)	1.70
Park Restrooms	0.00	Park Restrooms	0.84
Rental Facility	0.00	Rental Facility	0.00
Maintenance Facilities (Satellite)	0.50	Maintenance Facilities (Satellite)	0.45
"D" Priorities	Number	"D" Priorities	Number
Football Fields	3.21	Football Fields	0.97
Volleyball Courts	3.21	Volleyball Courts	0.97
Climbing / Challenge Elements	1.25	Climbing / Challenge Elements	0.38
Interpretive Center	0.45	Interpretive Center	0.14
Environmental Center	0.45	Environmental Center	0.14
Outdoor Entertainment Venue	0.45	Outdoor Entertainment Venue	0.14
Skating Rinks (hockey)	0.45	Skating Rinks (hockey)	0.14
Skating Area (non-hockey)	0.45	Skating Area (non-hockey)	0.14
Golf Course 18-hole	0.45	Golf Course 18-hole	0.14
Driving Range	0.45	Driving Range	0.14
Dog Park Area	0.00	Dog Park Area	0.00

Table 8 – Current Deficiencies and Future Needs

Greenfield Recreation Zone Improvement Plan Study

Acreage Needed for New Facilities – Community Level of Service

The new recreation components that will fill both the current deficiencies and future needs will require land area for their development. Keep in mind that the new components can be sited within existing parkland as well as in new parkland. The following table (**Table 9**) indicates the approximate acreage required for each of the deficient recreation components in one Impact Zone. In addition, the prioritized groupings of the recreation components have been summarized at the bottom of the table.

When applying the size needs for all of the recreation components the current deficiencies will require approximately 115.42 acres (1.11 acres of "A" Priorities not including the new land component). The future needs for all of the recreation components will require approximately 58.05 acres (not including the future need of 89.91 acres) with 103.64 acres of "A" Priorities (including the 89.91 acres of new Park Land). (Note: the purpose of this table is to illustrate the amount of land space required to accommodate the recreation facility. Thus, the reason for not including the land component in the totals).

Greenfield Park System Analysis

ACREAGE NEEDS FOR RECREATION COMPONENTS

Recreation Components	Approximate Acres Required for Facility	Acres with a 15% Contingency Added	2018 Facility Needs	2018 Acres Needed	2027 Facility Needs	2027 Acres Needs of Future Populations	Priority
A	B	C	D	E	F	G	H
Baseball Diamonds	3.23	3.71	0.00	0.00	0.84	3.14	B
Softball Diamonds	2.25	2.59	0.21	0.53	0.97	2.51	C
Multi Purpose Fields	2.07	2.38	2.21	5.25	0.97	2.31	B
Soccer Fields	2.07	2.38	0.00	0.00	0.38	0.90	B
Football Fields	2.07	2.38	3.21	7.63	0.97	2.31	D
Tennis Courts	0.17	0.20	0.00	0.00	0.00	0.00	C
Running / Walking Track	2.07	2.38	1.12	2.67	0.34	0.81	C
Basketball Goals (outdoors)	0.20	0.23	3.61	0.83	1.70	0.39	C
Volleyball Courts (outdoors)	0.10	0.12	3.21	0.37	0.97	0.11	D
Skate/Bike Park (Neighborhood)	0.35	0.40	0.50	0.20	0.45	0.18	A
Climbing / Challenge Elements	0.10	0.12	1.25	0.14	0.38	0.04	D
Park Shelters/Gazebos	0.10	0.12	0.48	0.06	2.26	0.26	A
Park Restrooms	0.10	0.12	0.00	0.00	0.84	0.10	C
Rental Facility	0.75	0.86	0.00	0.00	0.00	0.00	C
Interpretive Center	1.50	1.73	0.45	0.77	0.14	0.23	D
Environmental Center	3.00	3.45	0.45	1.55	0.14	0.47	D
Outdoor Entertainment Venue	1.50	1.73	0.45	0.77	0.14	0.23	D
Recreation / Community Center	2.00	2.30	0.50	1.14	0.45	1.04	B
Playgrounds (Neighborhood/Comm.)	0.50	0.58	0.00	0.00	1.35	0.78	A
Skating Area (hockey)	2.00	2.30	0.45	1.03	0.14	0.31	D
Skating Area (non-hockey)	0.25	0.29	0.45	0.13	0.14	0.04	D
Swim. Pool / Water Park	3.00	3.45	1.24	4.29	0.68	2.34	B
Spraygrounds / SplashPads	0.50	0.58	2.24	1.29	0.68	0.39	B
Golf Course 18-hole	135.00	155.25	0.45	69.66	0.14	21.07	D
Driving Range	30.00	34.50	0.45	15.48	0.14	4.68	D
Dog Park Area	3.00	3.45	0.00	0.00	0.00	0.00	D
Maintenance Facilities (Hub)	2.00	2.30	0.00	0.00	0.17	0.39	B
Maintenance Facilities (Satellite)	1.00	1.15	0.50	0.57	0.45	0.52	C
Multi-use Trails (assume 30' wide easement)	4.01	4.61	0.23	1.06	2.71	12.51	A
Park / Open Space Acres	NA	NA	0.00	0.00	89.91	89.91	A
Total Acres Needed to Accommodate ALL of the Recreation Components			115.42		147.96		
Total Acres Needed to Accommodate "A" Priority Components (not including new park acres)			1.11		13.73		
Total Acres Needed to Accommodate Remaining Priority Components (not including new park acres)			114.31		134.23		

Table 9 – Acreage Needs for Recreation Components

Community Level of Service Needs and Cost Estimates

The cost estimates of the recreational amenities required to overcome both the current deficiencies and future needs were estimated by establishing facility costs for each of the recreation components. The information in **Table 10** illustrates the estimated costs required for both the current deficiencies and future needs. Note, the shaded lines are the recommended "A" priorities to be applied to the recreation impact fee calculations. Again, remember that current deficiencies cannot use Recreation Impact Fee resources, whereas *future needs* can use Impact Fees resources.

Facility Needs – Costs for One Impact Zone

City of Greenfield – Recreation Impact Fee – Park System Analysis

FACILITY NEEDS – COSTS

24-Nov-18

City Wide Analysis		2018 Pop. =	22,435	2027 Pop. =	29,221		
Recreation Components	Current Park Facilities	Facility Costs (assuming on existing land)	Components to Remove Current Deficiency	Costs to Remove Current Deficiency	Components for 2027 Needs	Costs for 2027 Needs	Priority per Park Dept.
Baseball Diamonds	5	\$ 89,600	0.00	\$ -	0.84	\$ 75,632	B
Softball Diamonds	3	\$ 67,200	0.21	\$ 13,777	0.97	\$ 65,140	C
Multi Purpose Fields	1	\$ 50,400	2.21	\$ 111,133	0.97	\$ 48,855	B
Soccer Fields	23	\$ 50,400	0.00	\$ -	0.38	\$ 18,972	B
Football Fields	0	\$ 84,000	3.21	\$ 269,222	0.97	\$ 81,425	D
Tennis Courts	6	\$ 50,400	0.00	\$ -	0.00	\$ -	C
Running / Walking Track (Comm)	0	\$ 112,000	1.12	\$ 125,637	0.34	\$ 37,998	C
Basketball Courts (outdoors)	2	\$ 8,400	3.61	\$ 30,314	1.70	\$ 14,249	C
Volleyball Courts	0	\$ 8,400	3.21	\$ 26,922	0.97	\$ 8,142	D
Skate/Bike Park (Neighborhood)	1	\$ 112,000	0.50	\$ 55,516	0.45	\$ 50,664	A
Climbing / Challenge Elements	0	\$ 44,800	1.25	\$ 55,839	0.38	\$ 16,888	D
Park Shelters / Gazebos	7	\$ 56,000	0.48	\$ 26,789	2.26	\$ 126,661	A
Park Restrooms	5	\$ 100,800	0.00	\$ -	0.84	\$ 85,086	C
Rental Facility	4	\$ 448,000	0.00	\$ -	0.00	\$ -	C
Interpretive Center	0	\$ 840,000	0.45	\$ 376,910	0.14	\$ 113,995	D
Environmental Center	0	\$ 840,000	0.45	\$ 376,910	0.14	\$ 113,995	D
Outdoor Entertainment Venue	0	\$ 840,000	0.45	\$ 376,910	0.14	\$ 113,995	D
Recreation / Community Center	1	\$ 4,480,000	0.50	\$ 2,220,625	0.45	\$ 2,026,574	B
Playgrounds (Neighborhood/Comm.)	7	\$ 100,800	0.00	\$ -	1.35	\$ 135,951	A
Skating Rinks (hockey)	0	\$ 2,800,000	0.45	\$ 1,256,367	0.14	\$ 379,983	D
Skating Area (non-hockey)	0	\$ 336,000	0.45	\$ 150,764	0.14	\$ 45,598	D
Swim. Pool / Water Park	1	\$ 7,280,000	1.24	\$ 9,052,775	0.68	\$ 4,939,773	B
Sprayground / SplashPad	0	\$ 140,000	2.24	\$ 314,092	0.68	\$ 94,996	B
Golf Course 18-hole	0	\$ 5,600,000	0.45	\$ 2,512,735	0.14	\$ 759,965	D
Driving Range	0	\$ 840,000	0.45	\$ 376,910	0.14	\$ 113,995	D
Dog Park Area	1	\$ 22,400	0.00	\$ -	0.00	\$ -	D
Maintenance Facilities (Hub)	1	\$ 840,000	0.00	\$ -	0.17	\$ 141,810	B
Maintenance Facilities (Satellite)	1	\$ 392,000	0.50	\$ 194,305	0.45	\$ 177,325	C
Multi-use / Nature Pathways (miles)	8.74	\$ 308,000	0.23	\$ 70,564	2.71	\$ 835,962	A
Park / Open Space Acres	348.40	\$ 28,000	0.00	\$ -	89.91	\$ 2,517,424	A
		TOTALS		\$ 17,995,015		\$ 13,141,052	
Tally Summary:		Cost of Facilities Needed to Remove Current Deficiency (2018): \$ 17,995,015					
		Cost of Facilities Needed to Accommodate Future Development (2027): \$ 13,141,052					
		Total Facility Costs: \$ 31,136,066					

Applied Summary:	Current	2027 Pop.
	Costs Needed to Remove Current Deficiencies	Costs Needed to Cover Future Needs
Breakdown Applying the Recreation Components under each Priority		
"A" Priority Components:	\$ 152,868	\$ 3,666,662
Remaining Priority Components:	\$ 17,842,146	\$ 9,474,390

Table 10 – Cost of Recreation Components to Overcome Current Deficiencies and Future Needs

Greenfield Recreation Zone Improvement Plan Study

The component cost estimates were based on current construction estimates and those of actual projects. The facility costs were adjusted upward from the last study's costs applying the 3.0% for each of the last four years for a total of 12.0%. They are broad estimates at this point in time since there are many variables to consider.

The current (2018) deficiencies (raising Current Level of Service to Community Level Service) for ALL recreation facilities total \$17,995,015 and if included in the RIF calculations would need to be completed within the next ten years (2027).

The component cost estimates for future (2027) needs, including ALL of the recreation components, total \$13,141,052. Costs for ALL current deficiencies AND future recreation facility needs total \$31,136,066. In the same manner the Prioritized Groupings were summarized at the bottom of the previous table. The current deficiencies (2018) for the "A" Priorities would be \$152,868. The "A" Priority components cost estimates for the future (2027) needs would be \$3,666,662 (before applying any deductions).



Greenfield Recreation Zone Improvement Plan Study

Recreation Impact Fee Scenario

The Advisory Committee and the Consultant looked at various scenarios created by selection and combinations of components. **Table 11** lists each scenario and its current deficiency dollar amount and its future need dollar amount. The table then lists what the impact fee amount would be for each identified scenario. This calculation applies the total 10-year projected residential building permits (2,792 residential building permits) into the costs of the recreation components to determine a "gross" Recreation Impact Fee amount (without any applied deductions). The last two columns of **Table 11** show the ratio of the current deficiencies (what the City will be responsible for outside of RIF dollars) and the future needs (or available RIF dollars).

Recreation Impact Fee Scenario Analysis

24-Nov-18

Note: RIF Amounts do not reflect any Adjustments and are Gross Dollar Amounts (prior to any applied deductions)

Forecast 10-Year Residential Building Permits Total: 2,792

Recreation Components Included in Scenario	Priority Rank	Current Deficiencies	Future Needs	RIF Amount	Ratio (City Share)	Ratio (RIF Share)
Priority "A" Components Only	A	\$ 152,868	\$ 3,666,662	\$ 1,313.35	4.0%	96.0%
Priority "B" Components Only	B	\$ 17,842,146	\$ 9,474,390	\$ 3,393.59	65.3%	34.7%
Priority "C" Components Only	C	\$ 364,032	\$ 379,799	\$ 136.04	48.9%	51.1%
Priority "D" Components Only	D	\$ 5,779,489	\$ 1,747,980	\$ 626.10	76.8%	23.2%
Baseball Diamonds		\$ -	\$ 75,632	\$ 27.09		
Softball Diamonds		\$ 13,777	\$ 65,140	\$ 23.33	17.5%	82.5%
Multi Purpose Fields		\$ 111,133	\$ 48,855	\$ 17.50	69.5%	30.5%
Soccer Fields		\$ -	\$ 18,972	\$ 6.80	0.0%	100.0%
Football Fields		\$ 269,222	\$ 81,425	\$ 29.17	76.8%	23.2%
Tennis Courts		\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!
Running / Walking Track (Comm)		\$ 125,637	\$ 37,998	\$ 13.61	76.8%	23.2%
Basketball Courts (outdoors)		\$ 30,314	\$ 14,249	\$ 5.10	68.0%	32.0%
Volleyball Courts		\$ 26,922	\$ 8,142	\$ 2.92	76.8%	23.2%
Skate/Bike Park (Neighborhood)	A	\$ 55,516	\$ 50,664	\$ 18.15	52.3%	47.7%
Climbing / Challenge Elements		\$ 55,839	\$ 16,888	\$ 6.05	76.8%	23.2%
Park Shelters / Gazebos	A	\$ 26,789	\$ 126,661	\$ 45.37	17.5%	82.5%
Park Restrooms		\$ -	\$ 85,086	\$ 30.48	0.0%	100.0%
Rental Facility		\$ -	\$ -	\$ -		
Interpretive Center		\$ 376,910	\$ 113,995	\$ 40.83	76.8%	23.2%
Environmental Center		\$ 376,910	\$ 113,995	\$ 40.83	76.8%	23.2%
Outdoor Entertainment Venue		\$ 376,910	\$ 113,995	\$ 40.83	76.8%	23.2%
Recreation / Community Center		\$ 2,220,625	\$ 2,026,574	\$ 725.89	52.3%	47.7%
Playgrounds (Neighborhood/Comm.)	A	\$ -	\$ 135,951	\$ 48.70	0.0%	100.0%
Skating Rinks (hockey)		\$ 1,256,367	\$ 379,983	\$ 136.10	76.8%	23.2%
Skating Area (non-hockey)		\$ 150,764	\$ 45,598	\$ 16.33	76.8%	23.2%
Swim. Pool / Water Park		\$ 9,052,775	\$ 4,939,773	\$ 1,769.36	64.7%	35.3%
Sprayground / SplashPad		\$ 314,092	\$ 94,996	\$ 34.03	76.8%	23.2%
Golf Course 18-hole		\$ 2,512,735	\$ 759,965	\$ 272.21	76.8%	23.2%
Driving Range		\$ 376,910	\$ 113,995	\$ 40.83	76.8%	23.2%
Dog Park Area		\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!
Maintenance Facilities (Hub)		\$ -	\$ 141,810	\$ 50.79	0.0%	100.0%
Maintenance Facilities (Satellite)		\$ 194,305	\$ 177,325	\$ 63.52	52.3%	47.7%
Multi-use / Nature Pathways (miles)	A	\$ 70,564	\$ 835,962	\$ 299.43	7.8%	92.2%
Park / Open Space Acres	A	\$ -	\$ 2,517,424	\$ 901.71	0.0%	100.0%
All Components		\$ 17,995,015	\$ 13,141,052	\$ 4,706.94	57.8%	42.2%
Recreation Impact Fees for Six Infrastructure Items above (tan line items) =				\$ 1,313.35		

Table 11 – Recreation Impact Fee Scenarios

Greenfield Recreation Zone Improvement Plan Study

Table 12 provides a summary of the Applied Recreation Components ("A" Priorities) that will be applied in the Recreation Impact Fee calculations.

Recreation Impact Fee Scenario Summary of "A" Priorities Only

Note: RIF Amounts do not reflect any Adjustments and are Gross Dollar Amounts (prior to any applied deductions)

Recreation Components Included in Scenario ("A" Priorities)	Priority Rank	Current Deficiencies	Future Needs	RIF Amount	Ratio (City Share)	Ratio (RIF Share)
Skate/Bike Park (Neighborhood)	A	\$ 55,516	\$ 50,664	\$ 18.15	52.3%	47.7%
Park Shelters / Gazebos	A	\$ 26,789	\$ 126,661	\$ 45.37	17.5%	82.5%
Playgrounds (Neighborhood/Comm.)	A	\$ -	\$ 135,951	\$ 48.70	0.0%	100.0%
Multi-use / Nature Pathways (miles)	A	\$ 70,564	\$ 835,962	\$ 299.43	7.8%	92.2%
Park / Open Space Acres	A	\$ -	\$ 2,517,424	\$ 901.71	0.0%	100.0%
Applied "A" Priorities Only		\$ 152,868	\$ 3,666,662	\$ 1,313.35	4.0%	96.0%

Table 12 – Recreation Impact Fee Scenario Summary of "A" Priorities

Recommended Recreation Impact Fee

Funding for Current Deficiencies Based on Community Level of Service

[IC 36-7-4-1318(c)(3)]

Again, Recreation Impact Fees cannot be used to cover the costs of identified current deficiencies. The noted current deficient recreation components have been listed in **Table 13** along with each project's funding sources and projected cost budget. Of the six identified infrastructure components only three (3) of them carry a deficiency. Those include Skate/Bike Park, Park Shelters/Gazebos and Trails. The current deficiencies of the selected "A" Priority components total \$152,868.

The Consultant worked with the City Staff and Advisory Committee regarding the various funding sources that could be used to fund the current deficiencies. It was determined that the City acknowledges current deficiencies and their related costs and shall strategically focus on the funding of the deficiencies over the next 4-5 years. **Table 13** outlines the funding sources and their applied distribution. The two identified funding sources that will be applied to the current deficiencies are Grants and Park Capital Improvement Budget.

For the Skate/Bike Park deficiency of \$55,516 grants will make up \$22,206 of it and Park Capital Improvement Budget will make up the remaining \$33,309. The Park Shelters/Gazebos deficiency of \$26,789 will be funded through the Park Capital Improvement Budget. The Trails deficiency of \$70,564 will be funded through Grants (\$56,451 [80%]) and Park Capital Improvement Budget (\$14, 113 [20%]). The funding sources and their related percentage of distribution include: Grants (51.45%) and Park Capital Improvement Budget (48.55%). Additional funding sources are not anticipated at this time.

Greenfield Recreation Zone Improvement Plan Study

City of Greenfield – Park and Recreation Department

24-Nov-18

Forecast Funding for Current Recreation Component Deficiencies

Prepared by: Greenfield Parks and Recreation and Lehman & Lehman, Inc.

Project Description	Quantities	Project Amount	Funding Source(s)							Totals
			Grants	Park Capital Improvement Budget	City Economic Development Fund	Food / Beverage Tax	Bonds	Donations	Other	
Skate/Bike Park (Neighborhood)	0.50	\$ 55,516	\$ 22,206	\$ 33,309	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,516
Park Shelters / Gazebos	0.48	\$ 26,789	\$ -	\$ 26,789	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,789
Playgrounds (Neighborhood/Comm.)	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Multi-use / Nature Pathways (miles)	0.23	\$ 70,564	\$ 56,451	\$ 14,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,564
Park / Open Space Acres	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 152,868	\$ 78,657	\$ 74,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 152,868
10 Year Total =			\$ 78,657	\$ 74,211	\$ -	\$ -	\$ -	\$ -	\$ -	
10 Year Annual Average =			\$ 7,866	\$ 7,421	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,287
Funding Sources Percentages =			51.45%	48.55%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Table 13 – Funding Sources for Current Deficiencies

Analysis of Non-Local Revenue and Impact Deductions

Following IC 36-7-4-1321 the Recreation Impact Fee Formula is as follows:

Recreation Impact Fee =

Impact Costs – Non-Local Revenues – Impact Deductions / 10-Yr. Residential Building Permits

- **Impact Costs** = Cost estimate [made at time of study] needed to fund projected future infrastructure needs of the next 10-year period
- **Non-Local Revenue** = Reasonable estimate [made at time of study] of revenues that will be received from any source other than a governmental source that will be used in the Impact Zone
- **Impact Deduction** = Reasonable estimate [made at time of study] of revenues from taxes levied and charges & fees that will be paid during the 10-year period after assessment of the impact fee to defray the capital costs of providing infrastructure in the Impact Zone
- **10-Year Building Permits** = Forecast of residential building permits projected in the next ten year period

Non-Local Revenue Deductions

It was determined that there were no Non-Local Revenue Deductions that apply to these recreation infrastructure components.

Impact Deductions

Recreation Impact Fees cannot be used to fund current deficiencies. From **Table 13**, two funding sources are noted for the current deficiencies. Those funding sources include Grants and Park Capital Improvement Budget. Grants, as a funding source, have limited roots to property taxes and other residential sources. However the Park Capital Improvement Budget Funds is a funding source that comes from property taxes and other residential sources. **Table 13** outlines the disbursements of the funds on an annual basis (years 2019 to 2022) as defined by the implementation year noted in **Table 14**.

Greenfield Recreation Zone Improvement Plan Study

City of Greenfield – Park and Recreation Department

8-Nov-18

Forecast Annual Funding for Current Recreation Component Deficiencies

Prepared by: City of Greenfield and Lehman & Lehman, Inc.

	A	B	C	D	E	F	G	H	
RIF YEARS	Grants	Park Capital Improvement Budget	City Econ. Development Fund (TIF)	FIT & Auto Excise Tax	Bonds	Donations	Other	TOTALS	FUND TOTALS (B)
2018									
2019	\$ 22,206	\$ 33,309	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,516	\$ 33,309
2020	\$ 56,451	\$ 13,634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,085	\$ 13,634
2021	\$ -	\$ 13,634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,634	\$ 13,634
2022	\$ -	\$ 13,634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,634	\$ 13,634
2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2018-2027 TOTALS	\$ 78,657	\$ 74,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 152,868	\$ 74,211

Table 14 – Forecast Annual Funding for Current Deficiencies

The impact of these funding sources will be based on the number of households within the City. The following **Table 15** establishes the cumulative households (column A) of the City over the next 10 years with the projected growth of households each year as noted in column B. The cumulative of the new household growth is noted in column C. The costs that affect residential property tax of the current deficiency for the next 10 years are noted in column D. The table indicates the calculated amounts of the funding of current deficiency per household (columns E, G, and H). The totals of those three columns are multiplied by the cumulative New Households (column C) to determine the impact deductions for each year of the 10-year RIF period as noted in column I. The total Impact Deduction amount is determined to be \$2,274.

City of Greenfield – Park and Recreation Department

8-Nov-18

Impact Deduction Calculations

Prepared by: Greenfield Parks and Recreation and Lehman & Lehman, Inc.

	A	B	C	D	E	F	G	H	I
Year	Cumulative Households	New Households (Annual)	New Households (Cumulative)	Costs to Remove Current Deficiency	Cost / Household for Park Capital Improvement Budget	Costs / Household for City TIF	Cost / Household City Cumulative Capital Funds	Impact Deductions (Cum. From Bond Issue New Households)	Totals of Impact Deductions for the New Households
2017	8,850								
2018	8,938	88	88	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2019	9,050	112	200	\$ 33,309	\$ 0.27	\$ -	\$ -	\$ -	\$ 54
2020	9,186	136	336	\$ 13,634	\$ 1.48	\$ -	\$ -	\$ -	\$ 499
2021	9,347	161	497	\$ 13,634	\$ 1.46	\$ -	\$ -	\$ -	\$ 725
2022	9,547	201	698	\$ 13,634	\$ 1.43	\$ -	\$ -	\$ -	\$ 996
2023	9,810	263	960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	10,144	334	1,294	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	10,554	411	1,705	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	11,050	496	2,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	11,642	591	2,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS	2,792			\$ 74,211	\$ 4.64	\$ -	\$ -	\$ -	\$ 2,274

NOTES:

Cumulative households over 10 year period

Projected new households over 10 year period

Cumulative Totals of Household Growth over 10-Yr. Period

Budgeted portion from the implementation schedule

Cost per household to remove existing deficiencies [A divided by D]

There is not Residential Impact in the generation of City TIF

Cost Per household to remove existing defic. Using City Cum. Capital Funds

Cost Per household to remove existing defic. Bond Issue Funding

Costs applied to new households for current deficiencies [E + G + H times C]

Total "Impact Deduction" for Park Capital Improvement Budget (Total Column F): \$ 2,274

Table 15 – Impact Deduction Calculations

Greenfield Recreation Zone Improvement Plan Study

Recreation Impact Fee

As shown in **Table 16** the total estimated cost of improvements ("A" Priorities) needed to accommodate projected future growth is \$3,664,388 (Adjusted Impact Costs which include the deductions of the Non-Local Revenues of \$0.00 and Impact Deductions of \$2,274). Therefore, the Recreation Impact Fee is calculated as indicated in **Table 16**. Using this formula the result is a recommended Impact Fee of **\$1,313**.

This recommended Recreation Impact Fee assumes that there will be a growth in housing permits at an average of approximately 280 units per year over the next ten years (2018-2027). There will be the need to perform an update to this recreation impact fee study and ordinance by or before 2021.

Greenfield – Recreation Impact Fee

IMPACT FEE CALCULATIONS

24-Nov-18

Recommended Recreation Impact Fee – City of Greenfield

Selected "A" Priorities: Skate/Bike Park, Shelters/Gazebos, Playgrounds, Multi Use Trails and Park / Open Space Acres

Costs Needed to Remove Current Deficiency =	\$	152,868
Projected Costs / Year (2018 to 2027) =	\$	15,287

As per IC 36-7-4-1321: The Impact Fee Formula is as follows:

Impact Costs – Non-Local Revenues – Impact Deductions / 10-Yr Building Permits = Impact Fee

	2027 Population
Projected 2027 Populations =	29,221
Number of Expected Residential Building Permits in the next 10 years =	2,792
Impact Costs Needed to Meet Future (2027) Needs =	\$ 3,666,662
Less Anticipated Non-Local Revenues Available towards Future (2027) Needs =	\$ -
Less Anticipated Impact Deductions against Future (2027) Needs =	\$ (2,274)
Adjusted Future Needs Costs =	\$ 3,664,388
Projected Recreation Impact Fee =	\$ 1,313

Table 16 – Recommended Recreation Impact Fee Calculation

RIF Housing Equivalent – Some communities have included as a part of their RIF Ordinance a Housing Equivalent to the established recreation impact fee. Such an equivalent will accommodate the diversity of housing types. A sample of how the Optional Housing Equivalent could be applied can be found in **Table 17**.

Housing Equivalents (Option)		
Type of Unit	Full Equivalent	Fee
Single - Family Dwelling Unit	100%	\$ 1,313
Two - Family Dwelling Unit (per dwelling unit)	95%	\$ 1,247
Multi - Family Dwelling Unit (per dwelling unit)		
One Bedroom	65%	\$ 853
Two Bedrooms	85%	\$ 1,116
Three Bedrooms or Larger	100%	\$ 1,313
Mobile Home	65%	\$ 853

Table 17 – Optional Housing Equivalent to Recreation Impact Fee

Annual Revenue Forecasts

The collection of Recreation Impact Fee revenues cannot begin until six (6) months after the approval of the ordinance by the City. Assuming that the City Council will approve the RIF ordinance in December 2018 (or January 2019) the six-month period will end in approximately June 2019. Based on this there will be no RIF collections in 2018 and six months of RIF collections during 2019. **Table 17** and **Figure 7** illustrate the projected revenue for Recreation Impact Fees.

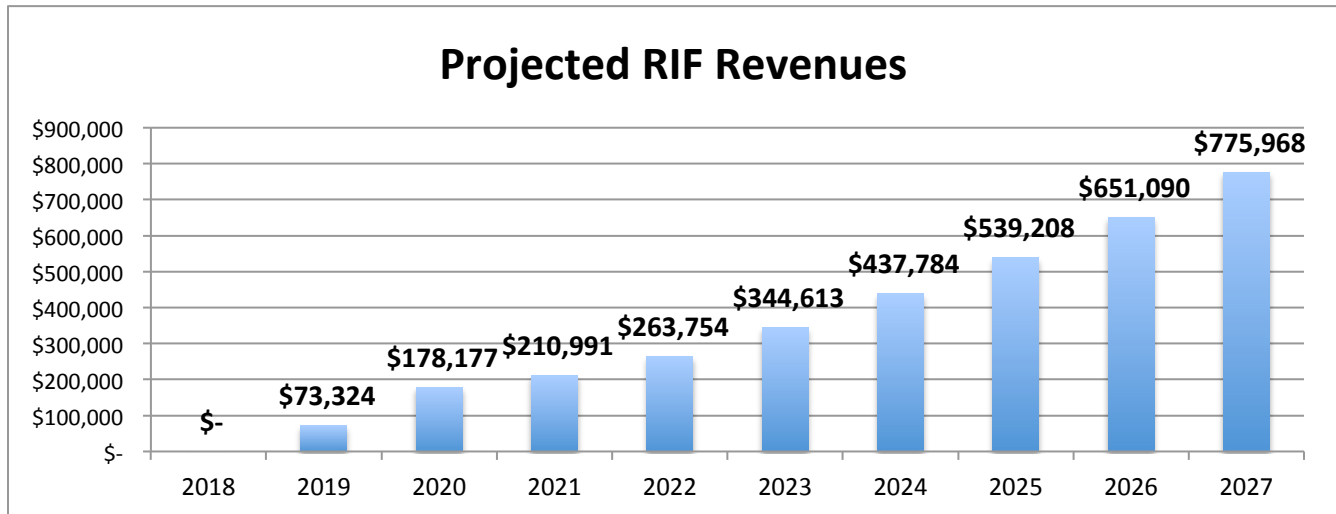


Figure 7 – Recreation Impact Fee Revenues Graph

Annual Inflationary Adjustments

In order to keep pace with the increase of construction costs several other communities have adopted their Recreation Impact Fee Ordinance with a stepped increase over the ten-year period. Other communities have adopted an annual inflationary adjustment factor. One of the factors used in the Indianapolis-Carmel-Anderson Metropolitan Statistical area is the **Gross Domestic Product (GDP)**.

The Bureau of Economic Analysis has calculated the Annual percentage change from 2001 to 2015. The following **Figure 8** illustrate this annual change. There has been a trend with an annual average trend of 3.96% over the last 15 years.

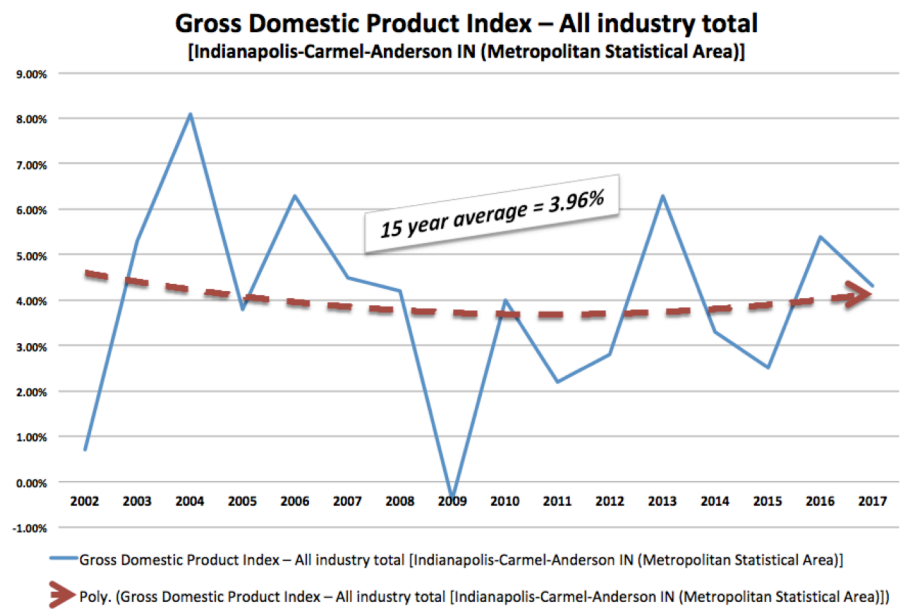


Figure 8 – GDP Percentage Change from 2002 to 2017

Greenfield Recreation Zone Improvement Plan Study

The Advisory Committee did make a recommendation on the matter of continuing the application of an annually adjustment to the Recreation Impact Fee. **Table 17** illustrate the projected revenue for Recreation Impact Fees with and without the inflation factor applied. A flat inflationary percentage could be used for this adjustment or annual adjustments could be made using a **Gross Domestic Product (GDP)** factor.

Projected Future Annual Collections of Recreation Impact Fees

	2018 **	2019	2020	2021	2022	2023	2024	2025	2026	2027
*Projected New Residential Building Permits:	88	112	136	161	201	263	334	411	496	591
Applied RIF: \$1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313
Projected Recreation Impact Fee Collections:	\$ -	\$ 73,324	\$ 178,177	\$ 210,991	\$ 263,754	\$ 344,613	\$ 437,784	\$ 539,208	\$ 651,090	\$ 775,968
Cumulative RIF Gained:	\$ -	\$ 73,324	\$ 251,501	\$ 462,492	\$ 726,246	\$ 1,070,858	\$ 1,508,642	\$ 2,047,850	\$ 2,698,940	\$ 3,474,908
Applied RIF: \$ 1,313	\$ 1,313	\$ 1,352	\$ 1,392	\$ 1,434	\$ 1,477	\$ 1,522	\$ 1,567	\$ 1,614	\$ 1,663	\$ 1,713
Projected RIF with 3.0% Inflation Factor:		\$ 75,524	\$ 189,028	\$ 230,556	\$ 296,857	\$ 399,501	\$ 522,737	\$ 663,158	\$ 824,781	\$ 1,012,462
Cumulative RIF Gained with Inflation:	\$ -	\$ 75,524	\$ 264,551	\$ 495,107	\$ 791,964	\$ 1,191,465	\$ 1,714,201	\$ 2,377,359	\$ 3,202,140	\$ 4,214,602

**** NOTE:** The six month waiting period from ordinance approval before collecting RIF have been reflected in the above table
It is assumed that no recreation impact fees will be collected in 2018 from the new Ordinance. Assuming Ordinance approval in Feb. 2019. With the first collections in July 2019 from the new Ordinance.

Table 17 – Recreation Impact Fee Revenue 10-Year Projection

Donations or In Lieu Of Impact Fee Components

As is being experienced in other communities that have Recreation Impact Fee ordinances, residential developers sometimes prefer to have the option to develop noted recreation components themselves and receive credit against impact fee charges. It was felt that both the multi-use trails and the land/open space are components where credit against Recreation Impact Fees could be considered. The City will need to develop the policy for such credit considerations.



National Averages of Recreation Impact Fees

The firm of *Clancy Mullen, Duncan Associates* annually tracks Impact Fees throughout the country. Their 2015 *National Impact Fee Survey* results serve only as a reference to this study. The averages of the 2015 survey found the following:

- Average Recreation Impact Fees of 195 municipalities -----\$2,812

Greenfield Recreation Zone Improvement Plan Study

Recreation Impact Fee Statistics – State of Indiana

Current Recreation Impact Fees of the noted municipalities (with ordinance dates noted).

• City of Noblesville (ordinance updated in 2014) -----	\$1,718
• City of Valparaiso (ordinance updated in 2015) -----	\$1,288
• City of Carmel (current ordinance, 2013) -----	\$1,526
• City of Fishers (ordinance, 2012) -----	\$1,070
• City of Franklin (ordinance, 2005) -----	\$870
• City of Westfield (updated ordinance, 2013) -----	\$1,309
• Town of Plainfield (updated ordinance, 2012) -----	\$730
• Town of Cicero (updated ordinance, 2012) -----	\$843
• Town of St. John (ordinance, 2013) -----	\$1,736
• Town of Chesterton (ordinance, 2014) -----	\$889
• Town of Brownsburg (updated ordinance, 2018) -----	\$1,191
• City of Greenwood (ordinance 2015) -----	\$1,206
• City of Greenfield (ordinance, 2014) -----	\$1,153
• Town of Danville (ordinance established in 2016) -----	\$789
• Town of Avon (proposed ordinance, 2017) -----	\$1,095
• Town of Bargersville (ordiance, 2017) -----	\$748
• Average Recreation Impact Fees of the above noted communities -----	\$1,135
• Proposed Recreation Impact Fee for City of Greenfield (2018) -----	\$1,313

Implementation Schedule – For Raising Current Deficiencies to Community Level of Service [IC 36-7-4-1318(c)(1)(2)]

The following Table (**Table 19**) represents a tentative implementation schedule to meet the baseline of service for the identified current deficiencies. Only the recreation components related and factored into the Recreation Impact Fee are summarized on an annual basis.

Current Deficiencies Implementation – Non-Recreation Impact Fees				Note: The various components not a part of the Impact Fee Calculations have not been included in the list below.									
Recreation Component	Component Unit Cost	Current Deficiency	Component Costs	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
A	B	C	D	E	F	G	H	I	J	K	L	M	N
Skate/Bike Park (Neighborhood)	\$ 112,000	0.50	\$ 55,516		\$ 55,516								
Park Shelters / Gazebos	\$ 56,000	0.48	\$ 26,789			\$ 8,930	\$ 8,930	\$ 8,930					
Playgrounds (Neighborhood/Comm.)	\$ 100,800	0.00	\$ -										
Multi-use / Nature Pathways (miles)	\$ 308,000	0.23	\$ 70,564			\$ 23,521	\$ 23,521	\$ 23,521					
Park / Open Space Acres	\$ 28,000	0.00	\$ -										
Current Deficiency Total: \$ 152,868				\$ -	\$ 55,516	\$ 32,451	\$ 32,451	\$ 32,451	\$ -	\$ -	\$ -	\$ -	\$ -
IMPLEMENTATION PER YEAR:													
			Skate/Bike Park (Neighborhood)		0.50								
			Park Shelters / Gazebos			0.16	0.16	0.16					
			Playgrounds (Neighborhood/Comm.)										
			Multi-use / Nature Pathways (miles)			0.08	0.08	0.08					
			Park / Open Space Acres										
The following park sites / facilities are suggested to facilitate the deficient recreational components:													
LOCATIONS OF COMPONENTS:					TBD Park								
			Skate/Bike Park (Neighborhood)										
			Park Shelters / Gazebos			Various Parks	Various Parks	Various Parks					
			Playgrounds (Neighborhood/Comm.)										
			Multi-use / Nature Pathways (miles)			Various Segments	Various Segments	Various Segments					
			Park / Open Space Acres										

Table 19 – Implementation Schedule for Current Deficiencies

The Advisory Committee recommends that the 10-year implementation schedule for the current deficiencies begin in 2019 and be completed in 2022. This is near to the date of the next Recreation Impact Fee update study. The locations of these components will be determined by the Park Board and the City Administration based on land availability, need, and priorities of the Park Master Plan.

Greenfield Recreation Zone Improvement Plan Study

Implementation Schedule – Future Anticipated Needs Based on Community Level of Service [IC 36-7-4-1318(b)(4)(5)]

The following Table (**Table 20**) represents a tentative implementation schedule to meet the baseline of service for the identified future needs. These needs are fundable via Recreation Impact Fees.

Future Needs Implementation – Recreation Impact Fees													Note: The various components not a part of the Impact Fee Calculations have not been included in the list below.
Recreation Component	Component Unit Cost	Future Need	Component Costs	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
A	B	C	D	E	F	G	H	I	J	K	L	M	N
Skate/Bike Park (Neighborhood)	\$ 112,000	0.45	\$ 50,633		\$ 50,633								
Park Shelters / Gazebos	\$ 56,000	2.26	\$ 126,582			\$ 63,291	\$ 63,291						
Playgrounds (Neighborhood/Comm.)	\$ 100,800	1.35	\$ 135,867							\$ 135,867			
Multi-use / Nature Pathways (miles)	\$ 308,000	2.71	\$ 835,443			\$ 120,000	\$ 150,000	\$ 250,000	\$ 315,443				
Park / Open Space Acres	\$ 28,000	89.85	\$ 2,515,862								\$ 750,000	\$ 750,000	\$ 1,015,862
		(Adjusted for Non-Local Rev. & Impact Deductions)	(Adjusted for Non-Local Rev. & Impact Deductions)										
Future Needs Total: \$ 3,664,388				\$ -	\$ 50,633	\$ 183,291	\$ 213,291	\$ 250,000	\$ 315,443	\$ 135,867	\$ 750,000	\$ 750,000	\$ 1,015,862
IMPLEMENTATION PER YEAR:					0.45								
Skate/Bike Park (Neighborhood)						1.13	1.13						
Park Shelters / Gazebos										1.35			
Playgrounds (Neighborhood/Comm.)													
Multi-use / Nature Pathways (miles)						0.39	0.49	0.81	1.02				
Park / Open Space Acres											26.79	26.79	36.28

The following park sites / facilities are suggested to facilitate the future needed recreational components:

LOCATIONS OF COMPONENTS:	Skate/Bike Park (Neighborhood)	TBD Park											
	Park Shelters / Gazebos	Various Parks	Various Parks										
	Playgrounds (Neighborhood/Comm.)									Various Parks			
	Multi-use / Nature Pathways (miles)	Various Segments	Various Segments	Various Segments	Various Segments								
	Park / Open Space Acres										Various Locations	Various Locations	Various Locations

Table 20 – Implementation Schedule for Future Needs

The Advisory Committee recommends that the implementation for future needs be done starting in 2019 and continuing implementation with available RIF funding through 2027. The implementation of the various recreation components is suggested over the 10-year period. The funding resource for these future need items will come from the collected Recreation Impact Fees. The implementation of the various infrastructure components will be based on the available funds from the collected recreation impact fees. The location of the various components will be determined by the Park Board and the City Administration based on land availability, growth in specific areas, need, and priorities of the Park Master Plan.



Summary of Impact Fee Study

The following previously illustrated tables summarize the inventory, need analysis, and cost projections for this study.

City of Greenfield Population

Current and Projected – All Development Potential (within the City Limits)

2010 Census of Persons per Household = **2.51**

	2000	2010	2012	2017	2018	2019	2020
Total City of Greenfield	14,600	20,602	21,056	22,213	22,435	22,716	23,056
Annual Growth Rate (Est.)					1.00%	1.25%	1.50%
Households (at 2.51 / house)	6,058	8,208	8,389	8,850	8,938	9,050	9,186
Total New Households					88	112	136
Growth / Year (Persons)				0	222	280	341
Growth / Year Annexation					0	0	0

	2021	2022	2023	2024	2025	2026	2027
Total City of Greenfield	23,460	23,964	24,623	25,460	26,492	27,737	29,221
Annual Growth Rate (Est.)	1.75%	2.15%	2.75%	3.40%	4.05%	4.70%	5.35%
Households (at 2.51 / house)	9,347	9,547	9,810	10,144	10,554	11,050	11,642
Total New Households	161	201	263	334	411	496	591
Growth Per Year (Persons)	403	504	659	837	1,031	1,245	1,484
Growth / Year Annexation	0	0	0	0	0	0	0

4/23/18

Population Scenario

Year	New Building Permits	New Pop.
2018	88	222
2019	112	280
2020	136	341
2021	161	403
2022	201	504
2023	263	659
2024	334	837
2025	411	1,031
2026	496	1,245
2027	591	1,484
Total:	2,792	7,008
Average:	279	701

2.79% = assumed average annual growth rate

Greenfield – Recreation Impact Fee – Park System Analysis

LAND INVENTORY – CURRENT LEVEL OF SERVICE

24-Nov-18

City Wide Analysis							Estimated 2018 and Projected Populations (including Annex. Pop.) =	22,435	29,221
A	B	C	D	E	F	G	H		
Park Type	Typical Park Size (Acres)	Total Existing Acreage	Acres Standards / 1,000	Current Acreage Stds./1,000	Current Acreage Needs	2018 Surplus or Deficiency	2027 Needed if current deficiency IS met		
Block Park	1 to 5	0.30	0.50	0.01	11.22	(10.92)	(14.31)		
Neighborhood Park	4 to 15	12.70	3.00	0.57	67.31	(54.61)	(74.96)		
Community Park	10 to 70	271.20	8.00	12.09	179.48	91.72	37.44		
Linear Parks	2.00	64.20	2.00	2.86	44.87	19.33	5.76		
Total Surplus or Deficiency		348.40	13.50	15.53	302.87	45.53	(46.08)		

Data updated from the Park and Recreation Master Plan.

Using the Current Land Inventory as the Standard for Park Land and Open Space the Acres Standard per 1,000 persons would be (includes current population) =	15.53
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LAND INVENTORY – COMMUNITY LEVEL OF SERVICE

					2027 Pop.	
Greenfield Acres Standard				Populations =	22,435	29,221
I	J	K	L	M	N	
Park Type	Total Existing Acreage	Community Level of Service - Acres Standards / 1,000	2018 Acreage Needs	2018 Surplus or Deficiency	2027 Needed if current deficiency IS met	
Total Surplus or Deficiency	348.40	15.00	336.53	11.87	(89.91)	

Suggestion standard acres / 1,000 persons -----^

Greenfield Recreation Zone Improvement Plan Study

Greenfield Park System Analysis

FACILITY INVENTORY • LEVEL OF SERVICE • NEEDS

24-Nov-18

City Wide Analysis (All Facilities)											22,435					29,221					» Projected 2027 Pop.	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O								
Facility	Greenfield Community Level of Service	Community Level of Service / 1,000 Pop.	Current Level of Service / 1,000 Pop.	Current Facilities in the Park Dept.	Current Facilities within the Comm.	Total Inventory of Facilities	Community Level of Service 2018 Population	2018 Surplus or Deficiency	Current Deficiencies (Community Level of Service)	2018 Surplus or Deficiency (CLS) Factor All Facilities	Community Level of Service 2027 Population	2027 Needs if current deficiency is met	2027 Needs (Community Level of Service)	2018 Priorities								
Baseball Diamonds	1/5,000	0.20	0.22	5.00	7.00	12.00	4.49	0.51	0.00	7.51	5.84	(0.84)	0.84	B								
Softball Diamonds	1/7,000	0.14	0.13	3.00	1.00	4.00	3.21	(0.21)	0.21	0.79	4.17	(0.97)	0.97	C								
Multi Purpose Fields	1/7,000	0.14	0.04	1.00	5.00	6.00	3.21	(2.21)	2.21	2.79	4.17	(0.97)	0.97	B								
Soccer Fields	1/1,250	0.80	1.03	23.00	2.00	25.00	17.95	5.05	0.00	7.05	23.38	(0.38)	0.38	B								
Football Fields	1/7,000	0.14	0.00	0.00	3.00	3.00	3.21	(3.21)	3.21	(0.21)	4.17	(0.97)	0.97	D								
Tennis Courts	1/5,000	0.20	0.27	6.00	10.00	16.00	4.49	1.51	0.00	11.51	5.84	0.16	0.00	C								
Running / Walking Track (Comm)	1/20,000	0.05	0.00	0.00	5.00	5.00	1.12	(1.12)	1.12	3.88	1.46	(0.34)	0.34	C								
Basketball Courts (outdoors)	1/4,000	0.25	0.09	2.00	0.00	2.00	5.61	(3.61)	3.61	(3.61)	7.31	(1.70)	1.70	C								
Volleyball Courts	1/7,000	0.14	0.00	0.00	1.00	1.00	3.21	(3.21)	3.21	(2.21)	4.17	(0.97)	0.97	D								
Skate/Bike Park (Neighborhood)	1/15,000	0.07	0.04	1.00	0.00	1.00	1.50	(0.50)	0.50	(0.50)	1.95	(0.45)	0.45	A								
Climbing / Challenge Elements	1/18,000	0.06	0.00	0.00	0.00	0.00	1.25	(1.25)	1.25	(1.25)	1.62	(0.38)	0.38	D								
Park Shelters / Gazebos	1/3,000	0.33	0.31	7.00	0.00	7.00	7.48	(0.48)	0.48	(0.48)	9.74	(2.26)	2.26	A								
Park Restrooms	1/5,000	0.20	0.22	5.00	0.00	5.00	4.49	0.51	0.00	0.51	5.84	(0.84)	0.84	C								
Rental Facility	1/8,000	0.13	0.18	4.00	1.00	5.00	2.80	1.20	0.00	2.20	3.65	0.35	0.00	C								
Interpretive Center	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D								
Environmental Center	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D								
Outdoor Entertainment Venue	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D								
Recreation / Community Center	1/15,000	0.07	0.04	1.00	0.00	1.00	1.50	(0.50)	0.50	(0.50)	1.95	(0.45)	0.45	B								
Playgrounds (Neighborhood/Comm.)	1/3,500	0.29	0.31	7.00	3.00	10.00	6.41	0.59	0.00	3.59	8.35	(1.35)	1.35	A								
Skating Rinks (hockey)	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D								
Skating Area (non-hockey)	1/50,000	0.02	0.00	0.00	0.00	0.00	0.45	(0.45)	0.45	(0.45)	0.58	(0.14)	0.14	D								
Swim. Pool / Water Park	1/10,000	0.10	0.04	1.00	1.00	2.00	2.24	(1.24)	1.24	(0.24)	2.92	(0.68)	0.68	B								
Sprayground / SplashPad	1/10,000	0.10	0.00	0.00	0.00	0.00	2.24	(2.24)	2.24	(2.24)	2.92	(0.68)	0.68	B								
Golf Course 18-hole	1/50,000	0.02	0.00	0.00	2.00	2.00	0.45	(0.45)	0.45	1.55	0.58	(0.14)	0.14	D								
Driving Range	1/50,000	0.02	0.00	0.00	2.00	2.00	0.45	(0.45)	0.45	1.55	0.58	(0.14)	0.14	D								
Dog Park Area	1/30,000	0.03	0.04	1.00	0.00	1.00	0.75	0.25	0.00	0.25	0.97	0.03	0.00	D								
Maintenance Facilities (Hub)	1/25,000	0.04	0.04	1.00	0.00	1.00	0.90	0.10	0.00	0.10	1.17	(0.17)	0.17	B								
Maintenance Facilities (Satellite)	1/15,000	0.07	0.04	1.00	0.00	1.00	1.50	(0.50)	0.50	(0.50)	1.95	(0.45)	0.45	C								
Multi-use / Nature Pathways (miles)	0.4 mile / 1,000	0.40	0.39	8.74	0.00	8.74	8.97	(0.23)	0.23	(0.23)	11.69	(2.71)	2.71	A								
Park / Open Space Acres	15.0 / 1,000	15.00	15.53	348.40	0.00	348.40	336.53	11.87	0.00	11.87	438.31	(89.91)	89.91	A								

Current Facilities Data taken from the 2018 Park and Recreation Master Plan.

DEVELOPMENT PRIORITY:

Top Need	A
Need	B
Marginal Need	C
Not Priority	D



Greenfield Recreation Zone Improvement Plan Study

City of Greenfield – Recreation Impact Fee – Park System Analysis

FACILITY NEEDS – COSTS

24-Nov-18

City Wide Analysis							
		2018 Pop. = 22,435		2027 Pop. = 29,221			
Recreation Components	Current Park Facilities	Facility Costs (assuming on existing land)	Components to Remove Current Deficiency	Costs to Remove Current Deficiency	Components for 2027 Needs	Costs for 2027 Needs	Priority per Park Dept.
Baseball Diamonds	5	\$ 89,600	0.00	\$ -	0.84	\$ 75,632	B
Softball Diamonds	3	\$ 67,200	0.21	\$ 13,777	0.97	\$ 65,140	C
Multi Purpose Fields	1	\$ 50,400	2.21	\$ 111,133	0.97	\$ 48,855	B
Soccer Fields	23	\$ 50,400	0.00	\$ -	0.38	\$ 18,972	B
Football Fields	0	\$ 84,000	3.21	\$ 269,222	0.97	\$ 81,425	D
Tennis Courts	6	\$ 50,400	0.00	\$ -	0.00	\$ -	C
Running / Walking Track (Comm)	0	\$ 112,000	1.12	\$ 125,637	0.34	\$ 37,998	C
Basketball Courts (outdoors)	2	\$ 8,400	3.61	\$ 30,314	1.70	\$ 14,249	C
Volleyball Courts	0	\$ 8,400	3.21	\$ 26,922	0.97	\$ 8,142	D
Skate/Bike Park (Neighborhood)	1	\$ 112,000	0.50	\$ 55,516	0.45	\$ 50,664	A
Climbing / Challenge Elements	0	\$ 44,800	1.25	\$ 55,839	0.38	\$ 16,888	D
Park Shelters / Gazebos	7	\$ 56,000	0.48	\$ 26,789	2.26	\$ 126,661	A
Park Restrooms	5	\$ 100,800	0.00	\$ -	0.84	\$ 85,086	C
Rental Facility	4	\$ 448,000	0.00	\$ -	0.00	\$ -	C
Interpretive Center	0	\$ 840,000	0.45	\$ 376,910	0.14	\$ 113,995	D
Environmental Center	0	\$ 840,000	0.45	\$ 376,910	0.14	\$ 113,995	D
Outdoor Entertainment Venue	0	\$ 840,000	0.45	\$ 376,910	0.14	\$ 113,995	D
Recreation / Community Center	1	\$ 4,480,000	0.50	\$ 2,220,625	0.45	\$ 2,026,574	B
Playgrounds (Neighborhood/Comm.)	7	\$ 100,800	0.00	\$ -	1.35	\$ 135,951	A
Skating Rinks (hockey)	0	\$ 2,800,000	0.45	\$ 1,256,367	0.14	\$ 379,983	D
Skating Area (non-hockey)	0	\$ 336,000	0.45	\$ 150,764	0.14	\$ 45,598	D
Swim. Pool / Water Park	1	\$ 7,280,000	1.24	\$ 9,052,775	0.68	\$ 4,939,773	B
Sprayground / SplashPad	0	\$ 140,000	2.24	\$ 314,092	0.68	\$ 94,996	B
Golf Course 18-hole	0	\$ 5,600,000	0.45	\$ 2,512,735	0.14	\$ 759,965	D
Driving Range	0	\$ 840,000	0.45	\$ 376,910	0.14	\$ 113,995	D
Dog Park Area	1	\$ 22,400	0.00	\$ -	0.00	\$ -	D
Maintenance Facilities (Hub)	1	\$ 840,000	0.00	\$ -	0.17	\$ 141,810	B
Maintenance Facilities (Satellite)	1	\$ 392,000	0.50	\$ 194,305	0.45	\$ 177,325	C
Multi-use / Nature Pathways (miles)	8.74	\$ 308,000	0.23	\$ 70,564	2.71	\$ 835,962	A
Park / Open Space Acres	348.40	\$ 28,000	0.00	\$ -	89.91	\$ 2,517,424	A
		TOTALS		\$ 17,995,015		\$ 13,141,052	
Tally Summary:		Cost of Facilities Needed to Remove Current Deficiency (2018): \$ 17,995,015					
		Cost of Facilities Needed to Accommodate Future Development (2027): \$ 13,141,052					
		Total Facility Costs: \$ 31,136,066					

Recreation Impact Fee Scenario Summary of "A" Priorities Only

Note: RIF Amounts do not reflect any Adjustments and are Gross Dollar Amounts (prior to any applied deductions)

Recreation Components Included in Scenario ("A" Priorities)	Priority Rank	Current Deficiencies	Future Needs	RIF Amount	Ratio (City Share)	Ratio (RIF Share)
Skate/Bike Park (Neighborhood)	A	\$ 55,516	\$ 50,664	\$ 18.15	52.3%	47.7%
Park Shelters / Gazebos	A	\$ 26,789	\$ 126,661	\$ 45.37	17.5%	82.5%
Playgrounds (Neighborhood/Comm.)	A	\$ -	\$ 135,951	\$ 48.70	0.0%	100.0%
Multi-use / Nature Pathways (miles)	A	\$ 70,564	\$ 835,962	\$ 299.43	7.8%	92.2%
Park / Open Space Acres	A	\$ -	\$ 2,517,424	\$ 901.71	0.0%	100.0%
Applied "A" Priorities Only		\$ 152,868	\$ 3,666,662	\$ 1,313.35	4.0%	96.0%

Greenfield Recreation Zone Improvement Plan Study

Recommended Recreation Impact Fee – City of Greenfield

Selected "A" Priorities: Skate/Bike Park, Shelters/Gazebos, Playgrounds, Multi Use Trails and Park / Open Space Acres

Costs Needed to Remove Current Deficiency =	\$	152,868
Projected Costs / Year (2018 to 2027) =	\$	15,287

As per IC 36-7-4-1321: The Impact Fee Formula is as follows:

Impact Costs – Non-Local Revenues – Impact Deductions / 10-Yr Building Permits = Impact Fee

	2027 Population
Projected 2027 Populations =	29,221
Number of Expected Residential Building Permits in the next 10 years =	2,792
Impact Costs Needed to Meet Future (2027) Needs =	\$ 3,666,662
Less Anticipated Non-Local Revenues Available towards Future (2027) Needs =	\$ -
Less Anticipated Impact Deductions against Future (2027) Needs =	\$ (2,274)
Adjusted Future Needs Costs =	\$ 3,664,388
Projected Recreation Impact Fee =	\$ 1,313

Projected Future Annual Collections of Recreation Impact Fees

	2018 **	2019	2020	2021	2022	2023	2024	2025	2026	2027
*Projected New Residential Building Permits:	88	112	136	161	201	263	334	411	496	591
Applied RIF: \$1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313	\$ 1,313
Projected Recreation Impact Fee Collections:	\$ -	\$ 73,324	\$ 178,177	\$ 210,991	\$ 263,754	\$ 344,613	\$ 437,784	\$ 539,208	\$ 651,090	\$ 775,968
Cumulative RIF Gained:	\$ -	\$ 73,324	\$ 251,501	\$ 462,492	\$ 726,246	\$ 1,070,858	\$ 1,508,642	\$ 2,047,850	\$ 2,698,940	\$ 3,474,908
Applied RIF: \$ 1,313	\$ 1,313	\$ 1,352	\$ 1,392	\$ 1,434	\$ 1,477	\$ 1,522	\$ 1,567	\$ 1,614	\$ 1,663	\$ 1,713
Projected RIF with 3.0% Inflation Factor:		\$ 75,524	\$ 189,028	\$ 230,556	\$ 296,857	\$ 399,501	\$ 522,737	\$ 663,158	\$ 824,781	\$ 1,012,462
Cumulative RIF Gained with Inflation:	\$ -	\$ 75,524	\$ 264,551	\$ 495,107	\$ 791,964	\$ 1,191,465	\$ 1,714,201	\$ 2,377,359	\$ 3,202,140	\$ 4,214,602

**** NOTE:** The six month waiting period from ordinance approval before collecting RIF have been reflected in the above table
It is assumed that no recreation impact fees will be collected in 2018 from the new Ordinance. Assuming Ordinance approval in Feb. 2019. With the first collections in July 2019 from the new Ordinance.

Current Deficiencies Implementation – Non-Recreation Impact Fees

Note: The various components not a part of the Impact Fee Calculations have not been included in the list below.

Recreation Component	Component Unit Cost	Current Deficiency	Component Costs	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
A	B	C	D	E	F	G	H	I	J	K	L	M	N
Skate/Bike Park (Neighborhood)	\$ 112,000	0.50	\$ 55,516		\$ 55,516								
Park Shelters / Gazebos	\$ 56,000	0.48	\$ 26,789			\$ 8,930	\$ 8,930	\$ 8,930					
Playgrounds (Neighborhood/Comm.)	\$ 100,800	0.00	\$ -										
Multi-use / Nature Pathways (miles)	\$ 308,000	0.23	\$ 70,564			\$ 23,521	\$ 23,521	\$ 23,521					
Park / Open Space Acres	\$ 28,000	0.00	\$ -										
Current Deficiency Total:			\$ 152,868	\$ -	\$ 55,516	\$ 32,451	\$ 32,451	\$ 32,451	\$ -	\$ -	\$ -	\$ -	\$ -

Future Needs Implementation – Recreation Impact Fees

Note: The various components not a part of the Impact Fee Calculations have not been included in the list below.

Recreation Component	Component Unit Cost	Future Need	Component Costs	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
A	B	C	D	E	F	G	H	I	J	K	L	M	N
Skate/Bike Park (Neighborhood)	\$ 112,000	0.45	\$ 50,633		\$ 50,633								
Park Shelters / Gazebos	\$ 56,000	2.26	\$ 126,582			\$ 63,291	\$ 63,291						
Playgrounds (Neighborhood/Comm.)	\$ 100,800	1.35	\$ 135,867							\$ 135,867			
Multi-use / Nature Pathways (miles)	\$ 308,000	2.71	\$ 835,443			\$ 120,000	\$ 150,000	\$ 250,000	\$ 315,443				
Park / Open Space Acres	\$ 28,000	89.85	\$ 2,515,862								\$ 750,000	\$ 750,000	\$ 1,015,862
		(Adjusted for Non-Local Rev. & Impact Deductions)	(Adjusted for Non-Local Rev. & Impact Deductions)										
Future Needs Total:			\$ 3,664,388	\$ -	\$ 50,633	\$ 183,291	\$ 213,291	\$ 250,000	\$ 315,443	\$ 135,867	\$ 750,000	\$ 750,000	\$ 1,015,862

Appendix

- *Appendix A: Indiana Code (IC) 36-7-4-1300*
- *Appendix B: Fixed Assets / Capital Improvements over the years 2012-2016
(This information is a requirement of the State Statute [IC 36-7-4-1318 (b)(6)])*
- *Appendix C: Summary of Greenfield Park Department Revenues 2012-2016
(This information is a requirement of the State Statute [IC 36-7-4-1318 (c)(3)])*
- *Appendix D: Impact Fee One Zone Recommendation Logic*
- *Appendix E: Park and Recreation Infrastructure Inventory*
- *Appendix F: Recreation Impact Fee Tracking Report 2010 to 2017*
- *Appendix G: Letter of Study Review from Professional Engineer
(This information is a requirement of the State Statute [IC 36-7-4-1318(d)])*



Appendix A: INDIANA CODE (IC) 36-7-4-1300

INDIANA SERIES IMPACT FEES
INDIANA CODE (IC) 36-7-4-1300

Assembled by:



INDIANA SERIES IMPACT FEES

INDIANA CODE (IC) 36-7-4-1300

IC 36-7-4-1300

Sec. 1300.

This series (sections 1300 through 1399 of this chapter) may be cited as follows: 1300 SERIES IMPACT FEES. *As added by P.L.221-1991, Sec. 1.*

IC 36-7-4-1301

Sec. 1301.

As used in this series, "community level of service" means a quantitative measure of the service provided by the infrastructure that is determined by a unit to be appropriate.

As added by P.L.221-1991, Sec.2.

IC 36-7-4-1302

Sec. 1302.

As used in this series, "current level of service" means a quantitative measure of service provided by existing infrastructure to support existing development.

As added by P.L.221-1991, Sec.3.

IC 36-7-4-1303

Sec. 1303.

As used in this series, "development" means an improvement of any kind on land.

As added by P.L.221-1991, Sec.4.

IC 36-7-4-1304

Sec. 1304.

(a) As used in this series, "fee payer" means the following:

- (1) A person who has paid an impact fee.
- (2) A person to whom a person who paid an impact fee has made a written assignment of rights concerning the impact fee.
- (3) A person who has assumed by operation of law the rights concerning an impact fee.

(b) As used in this series, "person" means an individual, a sole proprietorship, a partnership, an association, a corporation, a fiduciary, or any other entity. *As added by P.L.221-1991, Sec.5.*

IC 36-7-4-1305

Sec. 1305.

(a) As used in this series, "impact fee" means a monetary charge imposed on new development by a unit to defray or mitigate the capital costs of infrastructure that is required by, necessitated by, or needed to serve the new development.

(b) As used in this Section, "capital costs" means the costs incurred to provide additional infrastructure to serve new development, including the following:

- (1) Directly related costs of construction or expansion of infrastructure that is necessary to serve the new development, including reasonable design, survey, engineering, environmental, and other professional fees that are directly related to the construction or expansion.
- (2) Directly related land acquisition costs, including costs incurred for the following:
 - (A) Purchases of interests in land.
 - (B) Court awards or settlements.
 - (C) Reasonable appraisal, relocation service, negotiation service, title insurance, expert witness, attorney, and other professional fees that are directly related to the land acquisition.
- (3) Directly related debt service, subject to Section 1330 of this chapter.
- (4) Directly related expenses incurred in preparing or updating the comprehensive plan or zone improvement plan, including all administrative, consulting attorney, and other professional fees, as limited by Section 1330 of this chapter. *As added by P.L.221-1991, Sec.6.*

IC 36-7-4-1306

Sec. 1306.

Greenfield Recreation Zone Improvement Plan Study

As used in this series, “impact fee ordinance” means an ordinance adopted under Section 1311 of this chapter. *As added by P.L.221-1991, Sec.7.*

IC 36-7-4-1307

Sec. 1307.

As used in this series, “impact zone” means a geographic area designated under Section 1315 of this chapter. *As added by P.L.221-1991, Sec.8.*

IC 36-7-4-1308

Sec. 1308.

As used in this series, “infrastructure” means the capital improvements that:

- (1) comprise:
 - (A) a sanitary sewer system or wastewater treatment facility;
 - (B) a park or recreational facility;
 - (C) a road or bridge;
 - (D) a drainage or flood control facility; or
 - (E) a water treatment, water storage, or water distribution facility;
- (2) are:
 - (A) owned solely for a public purpose by:
 - (i) a unit; or
 - (ii) a corporation created by a unit; or
 - (B) leased by a unit solely for a public purpose; and
- (3) are included in the zone improvement plan of the impact zone in which the capital improvements are located. The term includes site improvements or interests in real property needed for a facility listed in subdivision (1). *As added by P.L.221-1991, Sec.9.*

IC 36-7-4-1309

Sec. 1309.

As used in this series, “infrastructure type” means any of the following types of infrastructure covered by an impact fee

ordinance:

- (1) Sewer, which includes sanitary sewerage and wastewater treatment facilities.
- (2) Recreation, which includes parks and other recreational facilities.
- (3) Road, which includes public ways and bridges.
- (4) Drainage, which includes drains and flood control facilities.
- (5) Water, which includes water treatment, water storage, and water distribution facilities.

As added by P.L.221-1991, Sec.10.

IC 36-7-4-1310

Sec. 1310.

As used in this series, “infrastructure agency” means a political subdivision or an agency of a political subdivision responsible for acquiring, constructing, or providing a particular infrastructure type. *As added by P.L.221-1991, Sec.11.*

IC 36-7-4-1311

Sec. 1311.

- (a) The legislative body of a unit may adopt an ordinance imposing an impact fee on new development in the geographic area over which the unit exercises planning and zoning jurisdiction. The ordinance must aggregate the portions of the impact fee attributable to the infrastructure types covered by the ordinance so that a single and unified impact fee is imposed on each new development.
- (b) If the legislative body of a unit has planning and zoning jurisdiction over the entire geographic area covered by the impact fee ordinance, an ordinance adopted under this Section shall be adopted in the same manner that zoning ordinances are adopted under the 600 SERIES of this chapter.
- (c) If the legislative body of a unit does not have planning and zoning jurisdiction over the entire geographic area covered by the impact fee

Greenfield Recreation Zone Improvement Plan Study

ordinance but does have jurisdiction over one (1) or more infrastructure types in the area, the legislative body shall establish the portion of the impact fee schedule or formula for the infrastructure types over which the legislative body has jurisdiction. The legislative body of the unit having planning and zoning jurisdiction shall adopt an impact fee ordinance containing that portion of the impact fee schedule or formula if:

- (1) a public hearing has been held before the legislative body having planning and zoning jurisdiction; and
 - (2) each plan commission that has planning jurisdiction over any part of the geographic area in which the impact fee is to be imposed has approved the proposed impact fee ordinance by resolution.
- (d) An ordinance adopted under this Section is the exclusive means for a unit to impose an impact fee. An impact fee imposed on new development to pay for infrastructure may not be collected after January 1, 1992, unless the impact fee is imposed under an impact fee ordinance adopted under this chapter.
- (e) Notwithstanding any other provision of this chapter, the following charges are not impact fees and may continue to be imposed by units:
- (1) Fees, charges, or assessments imposed for infrastructure services under statutes in existence on January 1, 1991, if:
 - (A) the fee, charge, or assessment is imposed upon all users whether they are new users or users requiring additional capacity or services;
 - (B) the fee, charge, or assessment is not used to fund construction of new infrastructure unless the new infrastructure is of the same type for which the fee, charge, or assessment is imposed and will serve the payer; and
 - (C) the fee, charge, or assessment constitutes a reasonable charge for the services provided in accordance with IC 36-1-3-8(6) or other governing statutes

requiring that any fees, charges, or assessments bear a reasonable relationship to the infrastructure provided.

- (2) Fees, charges, and assessments agreed upon under a contractual agreement entered into before April 1, 1991, or fees, charges, and assessments agreed upon under a contractual agreement, if the fees, charges, and assessments are treated as impact deductions under Section 1321(d) of this chapter if an impact fee ordinance is in effect. *As added by P.L.221-1991, Sec.12.*

IC 36-7-4-1312

Sec. 1312.

- (a) A unit may not adopt an impact fee ordinance under Section 1311 of this series unless the unit has adopted a comprehensive plan under the 500 SERIES of this chapter for the geographic area over which the unit exercises planning and zoning jurisdiction.
- (b) Before the adoption of an impact fee ordinance under Section 1311 of this chapter, a unit shall establish an impact fee advisory committee. The advisory committee shall:
 - (1) be appointed by the executive of the unit;
 - (2) be composed of not less than five (5) and not more than ten (10) members with at least forty percent (40%) of the membership representing the development, building, or real estate industries; and
 - (3) serve in an advisory capacity to assist and advise the unit with regard to the adoption of an impact fee ordinance under Section 1311 of this chapter.
- (c) A planning commission or other committee in existence before the adoption of an impact fee ordinance that meets the membership requirements of subsection (b) may serve as the advisory committee that subsection (b) requires.
- (d) Action of an advisory committee established under subsection (b) is not required as a prerequisite for the unit in adopting an impact

Greenfield Recreation Zone Improvement Plan Study

fee ordinance under Section 1311 of this chapter.

As added by P.L.221-1991, Sec.13.

IC 36-7-4-1313

Sec. 1313.

This series does not prohibit a unit from doing any of the following:

- (1) Imposing a charge to pay the administrative, plan review, or inspection costs associated with a permit for development.
- (2) Imposing, pursuant to a written commitment or agreement and as a condition or requirement attached to a development approval or authorization (including permitting or zoning decisions), an obligation to dedicate, construct, or contribute goods, services, land or interests in land, or infrastructure to a unit or to an infrastructure agency. However, if the unit adopts or has already adopted an impact fee ordinance under Section 1311 of this chapter the following apply:
 - (A) The person dedicating, contributing, or providing an improvement under this subsection is entitled to a credit for the improvement under Section 1335 of this chapter.
 - (B) The cost of complying with the condition or requirement imposed by the unit under this subdivision may not exceed the impact fee that could have been imposed by the unit under Section 1321 of this chapter for the same infrastructure.
- (3) Imposing new permit fees, charges, or assessments or amending existing permit fees, charges, or assessments. However, the permit fees, charges, or assessments must meet the requirements of Section 1311 (e) (1) (A), 1311 (e) (1) (B), and 1311 (e) (1) (C) of this chapter. *As added by P.L.221-1991, Sec.14.*

IC 36-7-4-1314

Sec. 1314.

- (a) Except as provided in subsection (b), an impact fee ordinance must apply to any development:
 - (1) that is in an impact zone; and
 - (2) for which a unit may require a structural building permit.
- (b) An impact fee ordinance may not apply to an improvement that does not create a need for additional infrastructure, including the erection of a sign, the construction of a fence, or the interior renovation of a building not resulting in a change in use. *As added by P.L.221-1991, Sec.15.*

IC 36-7-4-1315

Sec. 1315.

- (a) An impact fee ordinance must establish an impact zone, or a set of impact zones, for each infrastructure type covered by the ordinance. An impact zone established for a particular infrastructure type is not required to be congruent with an impact zone established for a different infrastructure type.
- (b) An impact zone may not extend beyond the jurisdictional boundary of an infrastructure agency responsible for the infrastructure type for which the impact zone was established, unless an agreement under IC 36-1-7 is entered into by the infrastructure agencies.
- (c) If an impact zone, or a set of impact zones, includes a geographic area containing territory from more than one (1) planning and zoning jurisdiction, the applicable legislative bodies and infrastructure agencies shall enter into an agreement under IC 36-1-7 concerning the collection, division, and distribution of the fees collected under the impact fee ordinance. *As added by P.L.221-1991, Sec.16.*

IC 36-7-4-1316

Sec. 1316.

Greenfield Recreation Zone Improvement Plan Study

A unit must include in an impact zone designated under Section 1315 of this chapter the geographical area necessary to ensure that:

- (1) there is a functional relationship between the components of the infrastructure type in the impact zone;
- (2) the infrastructure type provides a reasonably uniform benefit throughout the impact zone; and
- (3) all areas included in the impact zone are contiguous. *As added by P.L.221-1991, Sec.17.*

IC 36-7-4-1317

Sec. 1317.

A unit must identify in the unit's impact fee ordinance the infrastructure agency that is responsible for acquiring, constructing, or providing each infrastructure type included in the impact fee ordinance. *As added by P.L.221-1991, Sec.18.*

IC 36-7-4-1318

Sec. 1318.

- (a) A unit may not adopt an impact fee ordinance under Section 1311 of this chapter unless the unit has prepared or substantially updated a zone improvement plan for each impact zone during the immediately preceding one (1) year period. A single zone improvement plan may be used for two (2) or more infrastructure types if the impact zones for the infrastructure types are congruent.
- (b) Each zone improvement plan must contain the following information:
 - (1) A description of the nature and location of existing infrastructure in the impact zone.
 - (2) A determination of the current level of service.
 - (3) Establishment of a community level of service. A unit may provide that the unit's current level of service is the unit's community level of service in the zone improvement plan.

- (4) An estimate of the nature and location of development that is expected to occur in the impact zone during the following ten (10) year period.
 - (5) An estimate of the nature, location, and cost of infrastructure that is necessary to provide the community level of service for the development described in subdivision. The plan must indicate the proposed timing and sequencing of infrastructure installation.
 - (6) A general description of the sources and amounts of money used to pay for infrastructure during the previous five (5) years.
- (c) If a zone improvement plan provides for raising the current level of service to a higher community level of service, the plan must:
 - (1) provide for completion of the infrastructure that is necessary to raise the current level of service to the community level of service within the following ten (10) year period;
 - (2) indicate the nature, location, and cost of infrastructure that is necessary to raise the current level of service to the community level of service; and
 - (3) identify the revenue sources and estimate the amount of the revenue sources that the unit intends to use to raise the current level of service to the community level of service for existing development. Revenue sources include, without limitation, any increase in revenues available from one (1) or more of the following:
 - (A) Adopting or increasing the following:
 - (i) The county adjusted gross income tax.
 - (ii) The county option income tax.
 - (iii) The county economic development income tax.
 - (iv) The annual license excise surtax.
 - (v) The wheel tax.
 - (B) Imposing the property tax rate per one hundred dollars (\$100) of assessed

Greenfield Recreation Zone Improvement Plan Study

valuation that the unit may impose to create a cumulative capital improvement fund under IC 36-9-14.5 or IC 36-9-15.5.

- (C) Transferring and reserving for infrastructure purposes other general revenues that are currently not being used to pay for capital costs of infrastructure.
- (D) Dedicating and reserving for infrastructure purposes any newly available revenues, whether from federal or state revenue sharing programs or from the adoption of newly authorized taxes.

- (d) A unit must consult with a qualified engineer licensed to perform engineering services in Indiana when the unit is preparing the portions of the zone improvement plan described in subsections (b) (1),(b) (2),(b) (5), and (c) (2).
- (e) A zone improvement plan and amendments and modifications to the zone improvement plan become effective after adoption as part of the comprehensive plan under the 500 SERIES of this chapter or adoption as part of the capital improvements program under Section 503(5) of this chapter. If the unit establishing the impact fee schedule or formula and establishing the zone improvement plan is different from the unit having planning and zoning jurisdiction, the unit having planning and zoning jurisdiction shall incorporate the zone improvement plan as part of the unit's comprehensive plan and capital improvement plan.
- (f) If a unit's zone improvement plan identifies revenue sources for raising the current level of service to the community level of service, impact fees may not be assessed or collected by the unit unless:
 - (1) before the effective date of the impact fee ordinance the unit has available or has adopted the revenue sources that the zone improvement plan specifies will be in effect before the impact fee ordinance becomes effective; and

- (2) after the effective date of the impact fee ordinance the unit continues to provide adequate funds to defray the cost of raising the current level of service to the community level of service, using revenue sources specified in the zone improvement plan or revenue sources other than impact fees. *As added by P.L.221-1991, Sec.19.*

IC 36-7-4-1319

Sec. 1319.

- (a) A unit shall amend a zone improvement plan to make adjustments in the nature, location, and cost of infrastructure and the timing or sequencing of infrastructure installations to respond to the nature and location of development occurring in the impact zone. Appropriate planning and analysis shall be carried out before an amendment is made to a zone improvement plan.
- (b) A unit may not amend an impact fee ordinance if the amendment makes a significant change in an impact fee schedule or formula or if the amendment designates an impact zone or alters the boundary of a zone, unless a new or substantially updated zone improvement plan has been approved within the immediately preceding one (1) year period. *As added by P.L.221-1991, Sec.20.*

IC 36-7-4-1320

Sec. 1320.

- (a) An impact fee ordinance must include:
 - (1) a schedule prescribing for each impact zone the amount of the impact fee that is to be imposed for each infrastructure type covered by the ordinance; or
 - (2) a formula for each impact zone by which the amount of the impact fee that is to be imposed for each infrastructure type covered by the ordinance may be derived.
- (b) A schedule or formula included in an impact fee ordinance must provide an objective and uniform standard for calculating impact fees

Greenfield Recreation Zone Improvement Plan Study

that allows fee payers to accurately predict the impact fees that will be imposed on new development. *As added by P.L.221-1991, Sec.21.*

IC 36-7-4-1321

Sec. 1321.

- (a) An impact fee schedule or formula described in Section 1320 of this chapter shall be prepared so that the impact fee resulting from the application of the schedule or formula to a development meets the requirements of this Section. However, this section does not require that a particular methodology be used in preparing the schedule or formula.
- (b) As used in this Section, “impact costs” means a reasonable estimate, made at the time the impact fee is assessed, of the proportionate share of the costs incurred or to be incurred by the unit in providing infrastructure of the applicable type in the impact zone that are necessary to provide the community level of service for the development. The amount of impact costs may not include the costs of infrastructure of the applicable type needed to raise the current level of service in the impact zone to the community level of service in the impact zone for development that is existing at the time the impact fee is assessed.
- (c) As used in this Section, “non-local revenue” means a reasonable estimate, made at the time the impact fee is assessed, of revenue that:
 - (1) will be received from any source (including but not limited to state or federal grants) other than a local government source; and
 - (2) is to be used within the impact zone to defray the capital costs of providing infrastructure of the applicable type.
- (d) As used in this Section, “impact deductions” means a reasonable estimate, made at the time the impact fee is assessed, of the amounts from the following sources that will be paid during the ten (10) year period after assessment of the impact fee to defray the capital costs of providing infrastructure of the applicable types

to serve a development:

- (1) Taxes levied by the unit or on behalf of the unit by an applicable infrastructure agency that the fee payer and future owners of the development will pay for use within the geographic area of the unit.
- (2) Charges and fees, other than fees paid by the fee payer under this chapter, that are imposed by any of the following for use within the geographic area of the unit:
 - (A) An applicable infrastructure agency.
 - (B) A governmental entity.
 - (C) A not-for-profit corporation created for governmental purposes. Charges and fees covered by this subdivision include tap and availability charges paid for extension of services or the provision of infrastructure to the development.
- (e) An impact fee on a development may not exceed:
 - (1) impact costs; minus
 - (2) the sum of non-local revenues and impact deductions. *As added by P.L.221-1991, Sec.22.*

IC 36-7-4-1322

Sec. 1322.

- (a) Except as provided in subsection (b), an impact fee ordinance must require that, if the fee payer requests, an impact fee on a development must be assessed not later than thirty (30) days after the earlier of:
 - (1) the date the fee payer obtains an improvement location permit for the development; or
 - (2) the date that the fee payer voluntarily submits to the unit a development plan for the development and evidence that the property is properly zoned for the proposed development. The plan shall be in the form prescribed by the unit’s zoning ordinance and shall contain reasonably sufficient detail for the unit to calculate the impact fee.

Greenfield Recreation Zone Improvement Plan Study

- (b) An impact fee ordinance may provide that if a proposed development is of a magnitude that will require revision of the zone improvement plan in order to appropriately serve the new development, the unit shall revise the unit's zone improvement plan and shall assess an impact fee on a development not later than one hundred eighty (180) days after the earlier of the following:
- (1) The date on which the fee payer obtains an improvement location permit for the development.
 - (2) The date on which the fee payer submits to the unit a development plan for a development and evidence that the property is properly zoned for the proposed development. The development plan must be in the form prescribed by the unit's zoning ordinance and must contain reasonably sufficient detail for the unit to calculate the impact fee.
- (c) An impact fee assessed under subsections (a) or (b) may be increased only if the structural building permit has not been issued for the development and the requirements of subsection (d) are satisfied. In the case of a phased development, only a portion of an impact fee assessed under subsection (a) or (b) that is attributable to the portion of the development for which a permit has not been issued may be increased if the requirements of subsection (d) are satisfied.
- (d) Unless the improvement location permit or development plan originally submitted for the development is changed so that the amount of impact on infrastructure the development creates in the impact zone is significantly increased, an impact fee assessed under: (1) subsection (a) (1) or (b) (1) may not be increased for the period of the improvement location permit's validity; and
- (e) An impact fee assessed under subsection (a) or (b) shall be decreased if the improvement location permit or development plan originally submitted for the development is changed so that the amount of impact on infrastructure that the development creates in the impact zone is significantly decreased. If a change occurs in the permit or plan that results in a decrease in the amount of the impact fee after the fee has been paid, the unit that collected the fee shall immediately refund the amount of the overpayment to the fee payer.
- (f) If the unit fails to assess an impact fee within the period required by subsection (a) or (b), the unit may not assess an impact fee on the development unless the development plan originally submitted for the development is materially and substantially changed.
- (g) Notwithstanding other provisions in this chapter, a unit may not assess an impact fee against a development if:
- (1) an improvement location permit has been issued for all or a part of a development before adoption of an impact fee ordinance that is in compliance with this chapter; and
 - (2) the development satisfies all of the following criteria:
 - (A) The development is zoned for commercial or industrial use before January 1, 1991.
 - (B) The development will consist primarily of new buildings or structures. As used in this clause, the term "new buildings or structures" does not include additions or expansions of existing buildings or structures.
 - (C) The parts of the development for which a structural building permit has not been issued are owned or controlled by the person that owned or controlled the development on January 1, 1991.
 - (D) A structural building permit is issued for the development not more than four (4) years after the effective date of the impact fee ordinance.
 - (E) The development is part of a common scheme of development that:
 - (i) involves land that is contiguous;

Greenfield Recreation Zone Improvement Plan Study

- (ii) involves a plan for development that includes a survey of the land, engineering drawings, and a site plan showing the anticipated size, location, and use of buildings and the anticipated location of streets, sewers, and drainage;
 - (iii) if plan approval is required, resulted in an application being filed with an appropriate office, commission, or official of the unit before January 1, 1991, that resulted or may result in approval of any phase of the development plan referred to in item (ii);
 - (iv) has been diligently pursued since January 1, 1991;
 - (v) resulted before January 1, 1991, in a substantial investment in creating, publicizing, or implementing the common scheme of development; and
 - (vi) involved the expenditure of significant funds before January 1, 1991, for the provision of improvements, such as roads, sewers, water treatment facilities, water storage facilities, water distribution facilities, drainage systems, or parks, that are on public lands or are available for other development in the area.
- (h) Notwithstanding any other provision of this chapter, this chapter does not impair the validity of any contract between a unit and a fee payer that was:
- (1) entered into before January 1, 1991; and
 - (2) executed in consideration of zoning amendments or annexations requested by the fee payer.

As added by P.L.221-1991, Sec.23.

IC 36-7-4-1323

Sec. 1323.

- (a) Except as provided in Section 1324 of this chapter, an impact fee assessed in compliance with Section 1322 of this chapter is due and payable on the date of issuance of the structural building permit for the new development on which the impact fee is imposed.
- (b) For a phased development, an impact fee shall be prorated for purposes of payment according to the impact of the parcel for which a structural building permit is issued in relation to the total impact of the development. In accordance with Section 1324 of this chapter, only the prorated portion of the assessed impact fee is due and payable on the issuance of the permit.
- (c) If an impact fee ordinance is repealed, lapses, or becomes ineffective after the assessment of an impact fee on a development but before the issuance of the structural building permit for part or all of the development:
 - (1) any part of the impact fee attributable to the part of the development for which a structural building permit has not been issued is void and is not due and payable, in the case of a phased development; and
 - (2) the entire impact fee is void and is not due and payable, in the case of a development other than a phased development. *As added by P.L.221-1991, Sec. 24.*

IC 36-7-4-1324

Sec. 1324.

- (a) An impact fee ordinance must include an installment payment plan. The installment payment plan must at least offer a fee payer the option of paying part of an impact fee in equal installment payments if the impact fee is greater than five thousand dollars (\$5,000). In an installment plan under this Section:
 - (1) a maximum of five thousand dollars (\$5,000) or five percent (5%) of the impact fee, whichever is greater, may become payable on the date the structural building permit is issued for the development on which the fee is imposed;
 - (2) the first installment may not become due

Greenfield Recreation Zone Improvement Plan Study

and payable less than one (1) year after the date the structural building permit is issued for the development on which the fee is imposed; and

- (3) the last installment may not be due and payable less than two (2) years after the date the structural building permit is issued for the development on which the fee is imposed.
- (b) An impact fee ordinance may require an impact fee of five thousand dollars (\$5,000) or less to be paid in full on the date the structural building permit is issued for the development on which the impact fee is imposed.
- (c) An impact fee ordinance may provide that a reasonable rate of interest, not to exceed the prejudgment rate of interest in effect at the time the interest accrues, may be charged if the fee payer elects to pay in installments. If interest is charged, the ordinance must provide that interest accrues only on the portion of the impact fee that is outstanding and does not begin to accrue until the date the structural building permit is issued for the development or the part of the development on which the impact fee is imposed.
- (d) An impact fee ordinance may provide that if all or part of an installment is not paid when due and payable, the amount of the installment shall be increased on the first day after the installment is due and payable by a penalty amount equal to ten percent (10%) of the installment amount that is overdue. If interest is charged under subsection (c), the interest shall be charged on the penalty amount. *As added by P.L.221-1991, Sec. 25.*

IC 36-7-4-1325

Sec. 1325.

- (a) A unit may use any legal remedy to collect an impact fee imposed by the unit. A unit must bring an action to collect an impact fee and all penalties, costs, and collection expenses associated with a fee not later than ten (10) years after the fee or the prorated portion of the

impact fee first becomes due and payable.

- (b) On the date a structural building permit is issued for the development of property on which the impact fee is assessed, the unit acquires a lien on the real property for which the permit is issued. For a phased development, the amount of the lien may not exceed the prorated portion of the impact fee due and payable in one (1) or more installments at the time the structural building permit is issued.
- (c) A lien acquired by a unit under this Section is not affected by a sale or transfer of the real property subject to the lien, including the sale, exchange, or lease of the real property under IC 36-1-11.
- (d) A lien acquired by a unit under this Section continues for ten (10) years after the impact fee or the prorated portion of the impact fee becomes due and payable. However, if an action to enforce the lien is filed within the ten (10) year period, the lien continues until the termination of the proceeding.
- (e) A holder of a lien of record on any real property on which an impact fee is delinquent may pay the delinquent impact fee and any penalties and costs. The amount paid by the lien holder is an additional lien on the real property in favor of the lien holder and is collectible in the same manner as the original lien.
- (f) If a person pays an impact fee assessed against any real property, the person is entitled to a receipt for the payment that is:
 - (1) on a form prescribed by the impact fee ordinance; and
 - (2) issued by a person designated in the impact fee ordinance. *As added by P.L.221-1991, Sec.26.*

IC 36-7-4-1326

Sec. 1326.

- (a) An impact fee ordinance may provide for a reduction in an impact fee for housing development that provides sale or rental housing, or both, at a price that is affordable to

Greenfield Recreation Zone Improvement Plan Study

an individual or a family earning less than eighty percent (80%) of the median income for the county in which the housing development is located. If the housing development comprises more than one (1) residential unit, the impact fee reduction shall apply only to the residential units that are affordable to an individual or a family earning less than eighty percent (80%) of the median income of the county.

- (b) If the impact fee ordinance provides for a reduction in an impact fee under subsection (a), the ordinance must:
- (1) contain a schedule or formula that sets forth the amount of the fee reduction for various types of housing development specified in subsection (a);
 - (2) require that, as a condition of receiving the fee reduction, the owner execute an agreement that:
 - (A) is binding for a period of at least five (5) years on the owner and subsequent owners; and
 - (B) limits the tenancy of residential units receiving the fee reduction to individuals or families who at the time the tenancy is initiated are earning less than eighty percent (80%) of the median income of the county;
 - (3) contain standards to be used in determining if a particular housing development specified in subsection (a) will receive a fee reduction; and
 - (4) designate a board or an official of the unit to conduct the hearing required by subsection (c).
- (c) A fee reduction authorized by this Section must be approved by a board or official of the unit at a public hearing. *As added by P.L.221-1991, Sec.27.*

IC 36-7-4-1327

Sec. 1327. An impact fee ordinance must provide a procedure through which the fee reduction decision

made under Section 1326 of this chapter may be appealed by the following persons:

- (1) The person requesting the fee reduction.
- (2) An infrastructure agency responsible for infrastructure of the applicable type for the impact zone in which the impact fee reduction is granted. *As added by P.L.221-1991, Sec.28.*

IC 36-7-4-1328

Sec. 1328.

A unit that provides a fee reduction under Section 1326 of this chapter shall pay into the account or accounts established for the impact zone in which the fee was reduced an amount equal to the amount of the fee reduction. *As added by P.L.221-1991, Sec.29.*

IC 36-7-4-1329

Sec. 1329.

- (a) A unit imposing an impact fee shall establish a fund to receive amounts collected under this series.
- (b) Money in a fund established under subsection (a) at the end of the unit's fiscal year remains in the fund. Interest earned by the fund shall be deposited in the fund.
- (c) The fiscal officer of the unit shall manage the fund according to the provisions of this series. The fiscal officer shall annually report to the unit's plan commission and to each infrastructure agency responsible for infrastructure in an impact zone. The report must include the following:
 - (1) The amount of money in accounts established for the impact zone.
 - (2) The total receipts and disbursements of the accounts established for the impact zone.
- (d) A separate account shall be established in the fund for each impact zone established by the unit and for each infrastructure type within each zone. Interest earned by an account shall be deposited in that account. *As added by P.L.221-1991, Sec.30.*

Greenfield Recreation Zone Improvement Plan Study

IC 36-7-4-1330

Sec. 1330.

An impact fee collected under this series shall be used for the following purposes:

- (1) Providing funds to an infrastructure agency for the provision of new infrastructure that:
 - (A) is necessary to serve the new development in the impact zone from which the fee was collected; and
 - (B) is identified in the zone improvement plan.
- (2) In an amount not to exceed five percent (5%) of the annual collections of an impact fee, for expenses incurred by the unit that paid for the consulting services that were used to establish the impact fee ordinance.
- (3) Payment of a refund under Section 1332 of this chapter.
- (4) Payment of debt service on an obligation issued to provide infrastructure described in subdivision (1). *As added by P.L.221-1991, Sec.31.*

IC 36-7-4-1331

Sec. 1331.

- (a) An infrastructure agency shall, within the time described in the zone improvement plan, construct infrastructure for which:
 - (1) a zone improvement plan has been adopted;
 - (2) an impact zone has been established; and
 - (3) an impact fee has been collected.
- (b) A unit may amend the unit's zone improvement plan, including the time provided in the plan for construction of infrastructure, only if the amount of expenditures provided for the construction of infrastructure in the original plan does not decrease in any year and the benefit to the overall impact zone does not decrease because of the amendment. *As added by P.L.221-1991, Sec.32.*

IC 36-7-4-1332

Sec. 1332.

- (a) A fee payer is entitled to a refund of an impact fee if an infrastructure agency:
 - (1) has failed to complete a part of the infrastructure for which the impact fee was imposed not later than:
 - (A) twenty-four (24) months after the time described in Section 1331 of this chapter; or
 - (B) a longer time as is reasonably necessary to complete the infrastructure if unforeseeable and extraordinary circumstances that are not in whole or in part caused by the unit have delayed the construction;
 - (2) has unreasonably denied the fee payer the use and benefit of the infrastructure during the useful life of the infrastructure; or
 - (3) has failed within the earlier of:
 - (A) six (6) years after issuance of the structural building permit; or
 - (B) the anticipated infrastructure completion date as specified in the zone improvement plan existing on the date the impact fee was collected; to make reasonable progress toward completion of the specific infrastructure for which the impact fee was imposed or thereafter fails to make reasonable progress toward completion.
- (b) An application for a refund under subsection (a) must be filed with the unit that imposed the impact fee not later than two (2) years after the right to a refund accrues. A unit shall issue a refund in part or in full or shall reject the application for refund not later than thirty (30) days after receiving an application for a refund.
- (c) If a unit approves a refund in whole or in part, the unit shall pay the amount approved, plus interest from the date on which the impact fee was paid to the date the refund is issued. The interest rate shall be the same rate as the rate that the unit's impact fee ordinance provides for

Greenfield Recreation Zone Improvement Plan Study

impact fee payments paid in installments.

- (d) If a unit rejects an application for refund or approves only a partial refund, the fee payer may appeal not later than sixty (60) days after the rejection or partial approval to the unit's impact fee review board established under Section 1338 of this chapter by filing with the board an appeal on a form prescribed by the board. The board shall issue instructions for completion of the form. The form and the instructions must be clear, simple, and understandable to a lay person.
- (e) An impact fee ordinance shall designate the employee or official of the unit who is responsible for accepting, rejecting, and paying a refund and interest.
- (f) A unit's impact fee review board shall hold a hearing on all appeals for a refund under this Section. The hearing shall be held not later than forty-five (45) days after the application for appeal is filed with the board. A unit's impact fee review board shall provide notice of the application for refund to the infrastructure agency responsible for the infrastructure for which the impact fee was imposed.
- (g) An impact fee review board holding a hearing under subsection (f) shall determine the amount of a refund that shall be made to the fee payer from the account established for the infrastructure for which the fee was imposed. A refund ordered by the board must include interest from the date the impact fee was paid to the date the refund is issued at the same rate the ordinance provides for impact fee payments paid in installments.
- (h) A party aggrieved by a final decision of an impact fee review board in a hearing under subsection (f) may appeal to the circuit or superior court of the county in which the unit is located and is entitled to a trial de novo. As added by P.L.221-1991, Sec.33.

IC 36-7-4-1333

Sec. 1333.

- (a) A person against whom an impact fee has been

assessed may appeal the amount of the impact fee. A unit may not deny issuance of a structural building permit on the basis that an impact fee has not been paid or condition issuance of the permit on the payment of an impact fee. However, in the case of an impact fee of one thousand dollars (\$1,000) or less a unit may require a fee payer to:

- (1) pay the impact fee; or
 - (2) bring an appeal under this Section; before the unit issues a structural building permit for the development for which the impact fee was assessed.
- (b) A person must file a petition for a review of the amount of an impact fee with the unit's impact fee review board not later than thirty (30) days after issuance of the structural building permit for the development for which the impact fee was assessed. An impact fee ordinance may require a petition to be accompanied by payment of a reasonable fee not to exceed one hundred dollars (\$100). A fee payer shall receive a full refund of the filing fee if:
 - (1) the fee payer prevails;
 - (2) the amount of the impact fee or the reductions or credits against the fee is adjusted by the unit, the board, or a court; and
 - (3) the body ordering the adjustment finds that the amount of the fee, reductions, or credits were arbitrary or capricious.
 - (c) A unit's impact fee review board shall prescribe the form of the petition for review of an impact fee under subsection (b). The board shall issue instructions for completion of the form. The form and the instructions must be clear, simple, and understandable to a lay person. The form must require the petitioner to specify:
 - (1) a description of the new development on which the impact fee has been assessed;
 - (2) all facts related to the assessment of the impact fee; and
 - (3) the reasons the petitioner believes that the amount of the impact fee assessed is

Greenfield Recreation Zone Improvement Plan Study

erroneous or is greater than the amount allowed by the fee limitations set forth in this series.

- (d) A unit's impact fee review board shall prescribe a form for a response by a unit to a petition for review under this Section. The board shall issue instructions for completion of the form. The form must require the unit to indicate:
 - (1) agreement or disagreement with each item indicated on the petition for review under subsection (c); and
 - (2) the reasons the unit believes that the amount of the fee assessed is correct.
- (e) Immediately upon the receipt of a timely filed petition on the form prescribed under subsection (c), a unit's impact fee review board shall provide a copy of the petition to the unit assessing the impact fee. The unit shall not later than thirty (30) days after the receipt of the petition provide to the board a completed response to the petition on the form prescribed under subsection (d). The board shall immediately forward a copy of the response form to the petitioner.
- (f) An impact fee review board shall:
 - (1) review the petition and the response submitted under this Section; and
 - (2) determine the appropriate amount of the impact fee not later than thirty (30) days after submission of both petitions.
- (g) A fee payer aggrieved by a final determination of an impact fee review board may appeal to the circuit or superior court of the county in which the unit is located and is entitled to a trial de novo. If the assessment of a fee is vacated by judgment of the court, the assessment of the impact fee shall be remanded to the board for correction of the impact fee assessment and further proceedings in accordance with law.
- (h) If a petition for a review or an appeal of an impact fee assessment is pending, the impact fee is not due and payable until after the petition or appeal is finally adjudicated and the amount of the fee is determined. *As added by*

P.L.221-1991, Sec.34.

IC 36-7-4-1334

Sec. 1334.

An impact fee ordinance must set forth the reasons for which an appeal of the amount of an impact fee may be made. The impact fee ordinance must provide that an appeal of the amount of an impact fee may be made for the following reasons:

- (1) A fact assumption used in determining the amount of an impact fee is incorrect.
- (2) The amount of the impact fee is greater than the amount allowed under Sections 1320, 1321, and 1322 of this chapter. *As added by P.L.221-1991, Sec.35.*

IC 36-7-4-1335

Sec. 1335.

- (a) As used in this Section, "improvement" means an improvement under Section 1313(2) of this chapter or a site improvement, land, or real property interest as follows:
 - (1) That is to be used for at least one (1) of the infrastructure purposes specified in Section 1309 of this chapter.
 - (2) That is included in or intended to be used relative to an infrastructure type for which the unit has imposed an impact fee in the impact zone.
 - (3) That is not a type of improvement that is uniformly required by law or rule for the type of development on which the impact fee has been imposed.
 - (4) That is or will be:
 - (A) public property; or
 - (B) furnished or constructed under requirements of the unit and is or will be available for use by other development in the area.
 - (5) That is beneficial to existing development and future development in the impact zone and is not beneficial to only one (1) development.

Greenfield Recreation Zone Improvement Plan Study

- (6) That either:
 - (A) allows the removal of a component of infrastructure planned for the impact zone;
 - (B) is a useful addition to the zone improvement plan; or
 - (C) is reasonably likely to be included in a future zone improvement plan for the impact zone.
- (7) That is:
 - (A) constructed, furnished, or guaranteed by a bond or letter of credit under a request by an authorized official of the:
 - (i) applicable infrastructure agency; or
 - (ii) unit that imposed the impact fee; or
 - (B) required to be constructed or furnished under a written commitment that:
 - (i) is requested by an authorized official of the applicable infrastructure agency or the unit that imposed the impact fee;
 - (ii) concerns the use or developing of the development against which the impact fee is imposed; and
 - (iii) is made under Section 613, 614, or 921 of this chapter.
- (b) A fee payer is entitled to a credit against an impact fee if the owner or developer of the development constructs or provides:
 - (1) infrastructure that is an infrastructure type for which the unit imposed an impact fee in the impact zone; or
 - (2) an improvement.
- (c) A fee payer is entitled to a credit under this Section for infrastructure or an improvement that:
 - (1) is constructed or furnished relative to a development after January 1, 1989; and
 - (2) meets the requirements of this Section.
- (d) The amount of a credit allowed under this Section shall be determined at the date the impact fee is assessed. However, if an

assessment is not requested, the amount of the credit shall be determined at the time the structural building permit is issued. The amount of the credit shall be:

- (1) determined by the:
 - (A) person constructing or providing the infrastructure or improvement; and
 - (B) applicable infrastructure agency; and
- (2) equal to the sum of the following:
 - (A) The cost of constructing or providing the infrastructure or improvement.
 - (B) The fair market value of land, real property interests, and site improvements provided.
- (e) The amount of a credit may be increased or decreased after the date the impact fee is assessed if, between the date the impact fee is assessed and the date the structural building permit is issued, there is a substantial and material change in the cost or value of the infrastructure or improvement that is constructed or furnished from the cost or value determined under subsection (d) . However, at the time the amount of a credit is determined under subsection (d), the person providing the infrastructure or improvement and the applicable infrastructure agency may agree that the amount of the credit may not be changed. The person providing the infrastructure or improvement may waive the person's right to a credit under this Section. *As added by P.L.221-1991, Sec.36.*

IC 36-7-4-1336

Sec. 1336.

- (a) If the parties cannot agree on the cost or fair market value under Section 1335(d) of this chapter, the fee payer or the person constructing or providing the infrastructure or improvement may file a petition for determination of the amount of the credit with the unit's impact fee review board not later than thirty (30) days after the structural building permit is issued for the development on which

Greenfield Recreation Zone Improvement Plan Study

the impact fee is imposed. A petition under this subsection may be made as part of an appeal proceeding under Section 1334 of this chapter or may be made under this Section.

- (b) An impact fee review board shall prescribe the form of the petition for determination of the amount of a credit under this Section. The board shall issue instructions for completion of the form. The form and the instructions must be clear, simple, and understandable to a lay person.
- (c) An impact fee review board shall prescribe a form for a response by the applicable infrastructure agency to a petition under this Section for determination of a credit amount. The board shall issue instructions for completion of the form.
- (d) Immediately after receiving a timely filed petition under this Section for determination of a credit amount, an impact fee review board shall provide a copy of the petition to the applicable infrastructure agency. Not later than thirty (30) days after receiving a copy of the petition, the infrastructure agency shall provide to the board a response on the form prescribed under subsection (c). The board shall immediately provide the petitioner with a copy of the infrastructure agency's response.
- (e) The impact fee review board shall:
 - (1) review a petition and response filed under this Section; and
 - (2) determine the amount of the credit not later than thirty (30) days after the response is filed.
- (f) A fee payer aggrieved by a final determination of an impact fee review board under this Section:
 - (1) may appeal to the circuit or superior court of the county in which the unit is located; and
 - (2) is entitled to a trial de novo. *As added by P.L.221-1991, Sec.37.*

IC 36-7-4-1337

Sec. 1337.

An impact fee ordinance shall do the following:

- (1) Establish a method for reasonably allocating credits to fee payers in situations in which the person providing infrastructure or an improvement is not the fee payer.
- (2) Allow the person providing infrastructure or an improvement to designate in writing a reasonable and administratively feasible method of allocating credits to future fee payers. *As added by P.L.221-1991, Sec.38.*

IC 36-7-4-1338

Sec. 1338.

- (a) Each unit that adopts an impact fee ordinance shall establish an impact fee review board consisting of three (3) citizen members appointed by the executive of the unit. A member of the board may not be a member of the plan commission. An impact fee ordinance must do the following:
 - (1) Set the terms the members shall serve on the board.
 - (2) Establish a procedure through which the unit's executive shall appoint a temporary replacement member meeting the qualifications of the member being replaced in the case of conflict of interest.
- (b) An impact fee review board must consist of the following members:
 - (1) One (1) member who is a real estate broker licensed in Indiana.
 - (2) One (1) member who is an engineer licensed in Indiana.
 - (3) One (1) member who is a certified public accountant.
- (c) An impact fee review board shall review the amount of an impact fee assessed, the amount of a refund, and the amount of a credit using the following procedures:
 - (1) The board shall fix a reasonable time for the hearing of appeals.

Greenfield Recreation Zone Improvement Plan Study

- (2) At a hearing, each party may appear and present evidence in person, by agent, or by attorney.
- (3) A person may not communicate with a member of the board before the hearing with intent to influence the member's action on a matter pending before the board.
- (4) The board may reverse, affirm, modify, or otherwise establish the amount of an impact fee, a credit, a refund, or any combination of fees, credits, or refunds. For purposes of this subdivision, the board has all the powers of the official of the unit from which the appeal is taken.
- (5) The board shall decide a matter that the board is required to hear:
 - (A) at the hearing at which the matter is first presented; or
 - (B) at the conclusion of the hearing on the matter, if the matter is continued.
- (6) Within five (5) days after making a decision, the board shall provide a copy of the decision to the unit and the fee payer involved in the appeal.
- (7) The board shall make written findings of fact to support the board's decision. *As added by P.L.221-1991, Sec.39.*

IC 36-7-4-1339

Sec. 1339.

- (a) This Section applies to a person having an interest in real property that may be subject to an impact fee ordinance if the development occurs on the property.
- (b) A person may seek to:
 - (1) have a court determine under IC 34-26-1 any question of construction or validity arising under the impact fee ordinance; and
 - (2) obtain a declaration of rights, status, or other legal relations under the ordinance.
- (c) The validity of an impact fee ordinance adopted by a unit or the validity of the application of the ordinance in a specific impact zone may be

challenged under this Section on any of the following grounds:

- (1) The unit has not provided for a zone improvement plan in the unit's comprehensive plan.
- (2) The unit did not prepare or substantially update the unit's zone improvement plan in the year preceding the adoption of the impact fee ordinance.
- (3) The unit has not identified the revenue sources the unit intends to use to implement the zone improvement plan, if identification of the revenue sources is required under Section 1318 (c) of this chapter.
- (4) The unit has not complied with the requirements of Section 1318(f) of this chapter.
- (5) The unit has not made adequate revenue available to complete infrastructure improvements identified in the unit's zone improvement plan.
- (6) The impact fee ordinance imposes fees on new development that will not create a need for additional infrastructure.
- (7) The impact fee ordinance imposes on new development fees that are excessive in relation to the infrastructure needs created by the new development.
- (8) The impact fee ordinance does not allow for reasonable credits to fee payers.
- (9) The unit imposed a prohibition or delay on new development to enable the unit to complete the adoption of an impact fee ordinance.
- (10) The unit otherwise fails to comply with this series in the adoption of an impact fee ordinance. *As added by P.L.221-1991, Sec.40. Amended by P.L.1-1998, Sec.206.*

IC 36-7-4-1340

Sec. 1340.

- (a) An impact fee ordinance may take effect not

earlier than six (6) months after the date on which the impact fee ordinance is adopted by a legislative body.

- (b) An impact fee may not be collected under an impact fee ordinance more than five (5) years after the effective date of the ordinance. However, a unit may adopt a replacement impact fee ordinance if the replacement impact fee ordinance complies with the provisions of this series. *As added by P.L.221-1991, Sec.41.*

IC 36-7-4-1341

Sec. 1341.

A unit may not prohibit or delay new development to wait for the completion of all or a part of the process necessary for the development, adoption, or updating of an impact fee. *As added by P.L.221-1991, Sec.42.*

IC 36-7-4-1342

Sec. 1342.

The general assembly finds that the powers of a local governmental unit to permit and provide for infrastructure are not limited by the provisions of this chapter except as expressly provided in this chapter. *As added by P.L.221-1991, Sec.43.*

Greenfield Recreation Zone Improvement Plan Study

Appendix B:

Fixed Assets / Capital Improvements over the years 2014-2017

[IC 36-7-4-1318 (b)(6)]

The following table illustrates the Fixed Assets / Capital Improvements implemented by the Greenfield Park Department from 2014 to 2017. This information was provided by the City of Greenfield.

CAPITAL IMPROVEMENTS FOR 2014			CAPITAL IMPROVEMENTS FOR 2015		
FACILITY	FUND	COST	FACILITY	FUND	COST
Beckenholdt Park			Beckenholdt Park		
Pond maintenance	General	\$ 1,425.00	Pond Maintenance	General	\$ 1,338.00
Prairie burn	General	\$ 3,000.00	Rovers Run gate	General	\$ 1,464.00
Seal parking lot	General	\$ 10,000.00	Install door at restroom	General	\$ 1,238.00
Repair steps	General	\$ 32.00	Brandywine Park		
Shade repair	General	\$ 40.00	Fibar	General	\$ 1,695.00
Rovers run ties	General	\$ 60.00	Property surveys	Impact fee	\$ 639.00
Brandywine Park			Elmore Center		
Pump	General	\$ 4,222.00	Curb repair	General	\$ 560.00
Parts for lightening detector	General	\$ 2,050.00	Restroom partition scenter	General	\$ 530.00
Sign repair	General	\$ 750.00	Gym mat, PS computers, Tumble mat	NR	\$ 2,209.00
Repair soccer lights	Non-reverting	\$ 1,594.00	Book cases	NR	\$ 295.00
Install pump	General	\$ 638.00	Heaters PS	NR	\$ 530.00
Repair garage door	General	\$ 85.00	Office computer	General	\$ 690.00
Elmore Center			Maintenance		
Boiler repair	General	\$ 680.00	Stoop/grate	General	\$ 188.00
HVAC check	General	\$ 210.00	Safety cabinet	General	\$ 568.00
Sidewalk repair	General	\$ 240.00	Mower	General	\$ 15,000.00
HVAC check	General	\$ 118.00	Truck - Ford	General	\$ 24,393.00
Paint downstairs walls & multi-purpose area	General	\$ 1,392.00	Hydraulic auger/auger	General	\$ 2,000.00
HVAC outside line cut	General	\$ 3,452.00	Snow plow	General	\$ 4,575.00
Condenser fan	General	\$ 255.00	Tiller	General	\$ 1,799.00
HVAC computer setup	General	\$ 4,100.00	Safety cones	General	\$ 420.00
Picnic slab	General	\$ 998.00	Pennsy Trail		
Cameras	General	\$ 6,205.00	Reseal	General	\$ 31,944.00
Boundary survey	Donations	\$ 1,993.00	Walkway	General	\$ 459.00
Maintenance			Water fountain	General	\$ 3,700.00
Truck bed	General	\$ 3,360.00	Born learning items	General	\$ 204.00
Garage remote control	General	\$ 70.00	Trail from Daily Queen to PT	Impact fee	\$ 5,272.00
Welder helmet	General	\$ 84.00	Bench	Donations	\$ 877.00
Plow parts	General	\$ 224.00	Pergola	Donations	\$ 2,470.00
Electrical	General	\$ 4,545.00	Pommel Horse	Donations	\$ 924.00
Repair tractor	General	\$ 1,488.00	Exercise Equipment	Donations	\$ 2,483.00
Paving	General	\$ 37,211.00	Riley Home & Museum		
Hydrant	General	\$ 204.00	Paint/storm door/fence	General	\$ 825.00
Auger	General	\$ 1,391.00	Wooden fence repair	General	\$ 2,502.00
Heating/Air	General	\$ 9,375.00	Home/fence/gazebo	General	\$ 6,605.00
HVAC maintenance	General	\$ 1,400.00	Paint and install siding	General	\$ 4,200.00
Heating/Air	Impact Fees	\$ 14,000.00	Riley Park		
Stone for parking	General	\$ 860.00	Repair picnic tables	General	\$ 849.00
Pennsy Trail			Sign	General	\$ 375.00
Stone	General	\$ 291.00	Wall enclosure	General	\$ 547.00
Ramps	General	\$ 110.00	Picnic grills	General	\$ 1,335.00
Master Plan for art trail	General	\$ 5,000.00	Paint pavilion	General	\$ 400.00
Riley Home & Museum			Riley Pool		
Sign material	General	\$ 125.00	Plumbing & shower	General	\$ 485.00
Motion sensor	General	\$ 110.00	Paint	General	\$ 1,007.00
Repair steps	General	\$ 5,480.00	Shelter House		
Fencing/storm door/repairs	General	\$ 4,845.00	Paint	General	\$ 326.00
Siding soffit	General	\$ 1,830.00	Window repair	General	\$ 233.00
Riley Park			Update ceiling	General	\$ 4,193.00
Bollards	General	\$ 256.00	Insulate	Non-reverting	\$ 657.00
Bridge paint	General	\$ 374.00	Thornwood Preserve		
Mulch	General	\$ 270.00	Stone/gravel	General	\$ 2,115.00
Walk/steps/ramp at church	General	\$ 1,550.00	Signs and posts	General	\$ 2,150.00
Riley Pool			Box crane	General	\$ 14,931.00
Paint	General/NR	\$ 1,254.00	Bridge	General	\$ 6,900.00
Shower floor	General	\$ 155.00	Trail markers	Donations	\$ 180.00
Pool bottom	General	\$ 3,340.00	Stone/gravel	General	\$ 14,210.00
Check recirculation	General	\$ 342.00	TOTALS		
Motor	General	\$ 1,977.00			\$ 173,489.00
Impeller	General	\$ 1,544.00			
Memorial Building					
Tables	General	\$ 428.00			
Grab bar	General	\$ 132.00			
Thornwood Preserve					
Signs	Donations	4900			
Hydraulic bridge model	Donations	4658			
TOTALS					
		\$ 152,064.00			

Greenfield Recreation Zone Improvement Plan Study

CAPITAL IMPROVEMENTS FOR 2016

FACILITY	FUND	COST
Beckenholdt Park		
Pond maintenance	General	\$ 1,379.00
Plaque for pond	General	\$ 663.00
Restroom update	General	\$ 1,580.00
Brandywine Park		
Paint restrooms	General	\$ 500.00
Pave parking area	General	\$ 11,788.00
Elmore Center		
HVAC	General	\$ 4,882.00
Faucets	General	\$ 544.00
Repair ADA door	General	\$ 388.00
New water heater	General	\$ 656.00
Computer/Audio video/projection screen/comp memory	Non-reverting	\$ 4,360.00
Senior Center Van	General	\$ 36,000.00
Maintenance		
Chem insulation/build chem room	General	\$ 1,347.00
Bob Cat	General	\$ 39,940.00
Pennsy Trail		
Repair sidewalk & parking	General	\$ 460.00
History Panel	Donation	\$ 6,000.00
Trash Can on Square	General	\$ 750.00
Trail from Daily Queen to PT	Impact fee	\$ 924.00
Riley Home & Museum		
Carriage House	General	\$ 2,400.00
Update Museum	General	\$ 1,100.00
Replace curb	General	\$ 2,380.00
Riley statue	Donation	\$ 18,000.00
Update front of Home	General	\$ 6,300.00
Artist Rendering of statue	Donation	\$ 9,500.00
Riley Park		
Trash barrels	General	\$ 280.00
Repair picnic tables	General	\$ 153.00
Tree removal	General	\$ 4,065.00
Stump grinder	General	\$ 2,630.00
Refurbish entry sign	General	\$ 4,600.00
Scissor lift	General	\$ 588.00
Riley Pool		
Repairs	General	\$ 102.00
Bathroom repairs	General	\$ 218.00
Ladder	General	\$ 120.00
Diving sign	General	\$ 300.00
ADA toilet	General	\$ 190.00
Shelter House		
Revamp fireplaces	General	\$ 1,159.00
Rugs	General	\$ 750.00
Cabinet	General	\$ 80.00
Concrete slab	General	\$ 920.00
Retaining wall	General	\$ 580.00
Memorial Building		
Pickle ball supplies	Non-reverting	\$ 410.00
Thornwood Preserve		
Stone	General	\$ 2,244.00
Signs & repair	General	\$ 758.00
Railing	General	\$ 730.00
Post	General	\$ 2,478.00
TOTALS		\$ 175,196.00

CAPITAL IMPROVEMENTS FOR 2017

FACILITY	FUND	COST
Beckenholdt Park		
Grate	General	\$ 120.00
Benches	General	\$ 120.00
Signage	General	\$ 5,590.00
Restroom ceiling	General	\$ 3,492.00
Flag stone	General	\$ 1,618.00
Brandywine Park		
Paint	General	\$ 630.00
Score booth	General	\$ 150.00
Door	General	\$ 282.00
Signage	General	\$ 86.00
Concrete	General	\$ 3,128.00
Playground	General	\$ 111.00
Parking	General	\$ 25,000.00
Elmore Center		
Replace pump	General	\$ 911.00
Tables for senior center	General	\$ 500.00
Scrubber	General	\$ 2,535.00
Park Board acrylic memory tree in lobby	General	\$ 645.00
Land survey - Depot & Swope	Impact fees	\$ 500.00
Appraisal - Depot st	Impact fees	\$ 600.00
Maintenance		
Dump Truck	General	\$ 62,330.00
Step up	General	\$ 50.00
Trailer for Bob Cat	General	\$ 4,995.00
Mower	General	\$ 11,200.00
Ram truck	General	\$ 23,052.00
Brush tree cutter	General	\$ 2,686.00
Pro tablet and dock	General	\$ 1,484.00
Pennsy Trail		
Signage	General	\$ 45.00
History panel 2	Donation	\$ 7,224.00
Clark's Dog	Donation	\$ 1,100.00
Bike air kit	Donation	\$ 1,300.00
Leg Press	Donation	\$ 2,769.00
Riley Home & Museum		
Reading with Riley	Donation	\$ 2,188.00
Blackout shades	General	\$ 145.00
Repair sidewalk	Impact fees	\$ 3,500.00
Stone	General	\$ 437.00
Repairs	General	\$ 8,265.00
Riley Park		
Playground	General	\$ 5,200.00
Disc golf mats	Donation	\$ 6,125.00
Speed bumps	General	\$ 734.00
Disc golf signs & fees	Donation	\$ 1,203.00
Cement	Donation	\$ 182.00
Fibar	General	\$ 1,695.00
Repave tennis courts	General	\$ 110,640.00
Slide	General	\$ 470.00
Swing seats	General	\$ 585.00
Arch swing	General	\$ 782.00
Disc golf equipment	General	\$ 3,150.00
Riley Pool		
Ladder	General	\$ 350.00
Pool side office window	Donation	\$ 543.00
Freezer for concession	Non-reverting	\$ 2,469.00
Counter for concession	Non-reverting	\$ 13,722.00
Shelter House		
Entryway re-vamp	General	\$ 209.00
Stone for retaining wall	General	\$ 3,400.00
Utility cart	Non-reverting	\$ 215.00
Thornwood Preserve		
Stone	General	\$ 3,200.00
Paint	General	\$ 38.00
Bridge	General	\$ 58.00
Signage	General	\$ 465.00
Tree ID's	General	\$ 336.00
TOTALS		\$ 334,559.00

Grand Total for 2014-2017 \$ 835,308.00

Greenfield Recreation Zone Improvement Plan Study

Appendix C:

Summary of Greenfield Park Department Revenues 2013-2017

[IC 36-7-4-1318 (c)(3)]

The following table illustrates the Park Department Revenues from 2013 to 2017. This information was provided by the City of Greenfield.

City of Greenfield – Park and Recreation Department							
Park Department Revenues 2013-2017 (Actual)							
Compiled by: Lehman & Lehman, Inc. from information provided by City of Greenfield							
Revenue Breakdown	2013	2014	2015	2016	2017	Totals	5-Yr. Avg.
Property Taxes	\$ 837,495	\$ 351,256	\$ 495,957	\$ 584,123	\$ 775,726	\$ 3,548,921	\$ 591,487
Auto & Aircraft Excise	\$ 72,808	\$ 30,122	\$ 44,240	\$ 49,817	\$ 62,341	\$ 296,465	\$ 49,411
F.I.T. Tax	\$ 2,549	\$ 1,273	\$ 1,422	\$ 1,818	\$ 1,469	\$ 9,669	\$ 1,612
Com Veh Excise CVET	\$ -	\$ -	\$ -	\$ -	\$ 5,916	\$ 12,003	\$ 2,000
Pool Misc.	\$ 56	\$ 16	\$ 42	\$ 52	\$ 104	\$ 2,770	\$ 462
Pool Admission Sales	\$ 35,456	\$ 34,674	\$ 38,628	\$ 45,485	\$ 41,981	\$ 246,225	\$ 41,038
Pool Concessions	\$ 15,744	\$ 14,850	\$ 16,855	\$ 18,683	\$ 18,025	\$ 104,158	\$ 17,360
Pavillion Rental	\$ 4,677	\$ 3,780	\$ 4,730	\$ 5,225	\$ 4,510	\$ 23,922	\$ 3,987
Shelter House Rental	\$ 13,166	\$ 14,469	\$ 13,738	\$ 15,698	\$ 16,570	\$ 86,140	\$ 14,357
Dog Park Fees	\$ 6,095	\$ 6,120	\$ 6,413	\$ 6,663	\$ 8,200	\$ 38,492	\$ 6,415
Senior Citizen Donation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,500	\$ 1,500
Surplus Sale	\$ -	\$ 1,015	\$ -	\$ -	\$ 6,433	\$ 7,448	\$ 1,241
Insurance Reimb	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Refunds & Reimb	\$ 408	\$ 398	\$ 150	\$ 233	\$ 42	\$ 1,231	\$ 205
Miscellaneous	\$ 31	\$ 1,515	\$ 151,616	\$ 50,375	\$ 4,065	\$ 208,102	\$ 34,684
Totals	\$ 988,486	\$ 459,487	\$ 773,791	\$ 778,172	\$ 945,381	\$ 4,593,046	\$ 510,338

Appendix D:

Impact Fee One Zone Recommendation Logic

An Impact Zone needs to be established for each recreation infrastructure type covered by the ordinance. In studying multi-zone options it usually proves best **to establish a one Impact Fee Zone**. Refer to the below example of a one-zone vs. multi-zone option:

EXAMPLE

- Say one zone has 10 softball fields existing within it. The recreation standards when applied to the future population of that zone only requires 5 fields.
- Say in the next zone (which has no existing softball fields) when applying the recreation standards to its future population it calculates the need for 3 new fields.

Multiple Zones Sample	Zone A	Zone B
Existing Softball Inventory	10	0
Applied Softball Standard	5	3
Variance of Softball	5	(3)
	Surplus	Deficiency

- If you would have multiple zones (using the above example) you would need to develop an additional 3 softball fields providing a total inventory of 13 (existing plus new) or a total surplus of 5.
- Yet if these two zones would be part of the same the existing inventory of 10 fields would be more than enough with future needs of only 8 fields (5 existing plus 3 new).

One Zone Sample	One Zone
Existing Softball Inventory	10
Applied Softball Standard	8
Variance of Softball	2
	Surplus

Greenfield Recreation Zone Improvement Plan Study

Appendix E: Park and Recreation Infrastructure Inventory

Greenfield Parks & Recreation Facility Infrastructure Inventory

City Wide Analysis (All Facilities)			PARKS				SCHOOLS				OTHER FACILITIES															
Facility	Current Facilities in the Park Dept.*	Current Inventory within the Comm.**	Total Inventory of Facilities	Commons Park	Penny Trail - Phase One and Two	Mary Moore Park	James Whitcomb Riley Park	Home/Garden/Museum	Brandywine Park	Henry B. Wilson Park	Thornwood Preserve (Not yet opened)	Beckenholtz Park	Macy Park (Not yet opened)	Franklin Park (Undeveloped)	High School	Harris Elementary	Weston Elementary	JB Stephens Elementary	Greenfield Intermediate School	New Middle School	Memorial Building Gym (Indoor Facilities)	Boys and Girls Club	4H Fairgrounds	Dream Big Baseball	Various Golf Courses	
Baseball Diamonds	5.00	7.00	12.00				5.00		3.00						1.00					1.00				5.00		
Softball Diamonds	3.00	1.00	4.00												1.00					1.00						
Multi Purpose Fields	1.00	5.00	6.00				1.00								1.00	1.00	1.00	1.00		1.00						
Soccer Fields	23.00	2.00	25.00						23.00						1.00					1.00						
Football Fields	0.00	3.00	3.00												10.00					1.00						
Tennis Courts	6.00	10.00	16.00				6.00																			
Running / Walking Track (Comm)	0.00	5.00	5.00																							
Basketball Courts (outdoors)	2.00	0.00	2.00				2.00								1.00				1.00	1.00		1.00				
Volleyball Courts	0.00	1.00	1.00																							
Skate/Bike Park (Neighborhood)	1.00	0.00	1.00				1.00														1.00					
Climbing / Challenge Elements	0.00	0.00	0.00																							
Park Shelters / Gazebos	7.00	0.00	7.00				2.00	1.00	2.00			2.00														
Park Restrooms	5.00	0.00	5.00				2.00	1.00	2.00												1.00					
Rental Facility	4.00	1.00	5.00				3.00					1.00														
Interpretive Center	0.00	0.00	0.00																							
Environmental Center	0.00	0.00	0.00																							
Outdoor Entertainment Venue	0.00	0.00	0.00																							
Recreation / Community Center	1.00	0.00	1.00				1.00																			
Playgrounds (Neighborhood/Comm.)	7.00	3.00	10.00	2.00			3.00		2.00							1.00	1.00	1.00								
Skating Rinks (hockey)	0.00	0.00	0.00																							
Skating Area (non-hockey)	0.00	0.00	0.00																							
Swim. Pool / Water Park	1.00	1.00	2.00				1.00																			
Sprayground / SplashPad	0.00	0.00	0.00																							
Golf Course 18-hole	0.00	2.00	2.00																						2.00	
Driving Range	0.00	2.00	2.00																						2.00	
Dog Park Area	1.00	0.00	1.00									1.00														
Maintenance Facilities (Hub)	1.00	0.00	1.00				1.00																			
Maintenance Facilities (Satellite)	1.00	0.00	1.00						1.00																	
Multi-use / Nature Pathways (miles)	8.74	0.00	8.74																							
Park / Open Space Acres	348.40	0.00	348.40	0.30	5.74	1.00		0.60	62.00	13.60	40.00	73.00	12.70	27.00												
1.0 mile of trail proposed at Brandywine Creek																										
Form Master Plan Update 2014																										

1.0 mile of trail proposed at Brandywine Creek
From Master Plan Update 2014
From Greenfield Parks Website

Greenfield Recreation Zone Improvement Plan Study

Appendix F: Recreation Impact Fee Tracking Report 2010 to 2017

The following is a summary report of the Recreation Impact Fee Collections and Disbursements of the years 2010 to 2017.

Greenfield Parks and Recreation – Fund Tracking Report for Recreation Impact Fees

Prepared by: City of Greenfield

	2009	2010	2011	2012	2013	2014	2015	2016	2017	8-YR. TOTALS
Balance Beginning of Year	\$ -	\$ -	\$ 14,716.07	\$ 127,566.21	\$ 54,133.89	\$ 165,610.10	\$ 242,919.41	\$ 248,687.46	\$ 439,154.44	\$1,292,787.58
YTD Revenues	\$ -	\$ 14,716.07	\$ 112,876.91	\$ 78,254.51	\$ 137,597.49	\$ 102,005.50	\$ 64,872.15	\$ 191,390.98	\$ 176,410.84	\$ 878,124.45
YTD Disbursements	\$ -	\$ -	\$ 26.77	\$ 151,686.83	\$ 26,121.28	\$ 24,696.19	\$ 59,104.10	\$ 924.00	\$ 1,100.00	\$ 263,659.17
Revenue vs. Disbursements	\$ -	\$ 14,716.07	\$ 112,850.14	\$ (73,432.32)	\$ 111,476.21	\$ 77,309.31	\$ 5,768.05	\$ 190,466.98	\$ 175,310.84	
End of Year Balance		\$ 14,716.07	\$ 127,566.21	\$ 54,133.89	\$ 165,610.10	\$ 242,919.41	\$ 248,687.46	\$ 439,154.44	\$ 614,465.28	

Expenses	2010	2011	2012	2013	2014	2015	2016	2017	TOTALS
Jan 2011 Bank Fees		\$ 3.00							
Feb 2011 Bank Fees		\$ 23.77							
Scenic Constr. Bholdt			\$ 51,415.33						
Mader Design- Bechenholdt			\$ 35,190.50						
Mader Design- Bechenholdt			\$ 23,540.00						
Stello Prod. (Winfield Connection)			\$ 108.00						
Smith Projects (Winfield Connection)			\$ 33,768.00						
Coor Consulting - Stake Work			\$ 280.00						
Nove 2012 - Permit			\$ 15.00						
E&B Paving - Riley Park Trail			\$ 4,518.00						
E&B Paving - Riley Park Trail			\$ 2,600.00						
Smith Projects (Winfield Connection)			\$ 252.00						
Signal Constr., Inc. (Winfield)				\$ 6,622.00					
Morristown Pike Trail 20% match				\$ 6,760.53					
Completed Winfield Connection				\$ 3,500.00					
Center St. Sidewalk Connection				\$ 8,835.00					
Lehman & Lehman 1st RIF Payment				\$ 185.00					
Tom Billings Invoice				\$ 218.75					
Lehman & Lehman 2nd RIF Payment					\$ 385.00				
Lehman & Lehman 3rd RIF Payment					\$ 660.00				
Lehman & Lehman 4th RIF Payment					\$ 2,087.71				
Lehman & Lehman 5th RIF Payment					\$ 2,143.17				
Lehman & Lehman 6th RIF Payment					\$ 4,195.28				
Mader Deign Pennsy Trail Master Plan Pmt 1					\$ 2,500.00				
Mader Deign Pennsy Trail Master Plan Pmt2					\$ 2,500.00				
Lehman & Lehman 7th RIF Payment					\$ 2,486.00				
Lehman & Lehman 8th RIF Payment					\$ 7,739.03				
Purchase 2.35 acres Brandywine Park						\$ 32,000.00			
Thornwood Trail Connector Bridge						\$ 14,931.60			
Pennsy Trail Broadway Connector						\$ 5,272.50			
Thornwood Trail Connector Bridge						\$ 6,900.00			
Pennsy Trail Broadway Connector Repair							\$ 924.00		
Land Appraisals for Swope & Depot St.								\$ 500.00	
Second Land Appraisal for Depot St.								\$ 600.00	
Totals	\$ -	\$ 26.77	\$ 151,686.83	\$ 26,121.28	\$ 24,696.19	\$ 59,104.10	\$ 924.00	\$ 1,100.00	\$ 263,659.17
Income vs. Expenses	\$ 14,716.07	\$ 127,566.21	\$ 54,133.89	\$ 165,610.10	\$ 242,919.41	\$ 248,687.46	\$ 439,154.44	\$ 614,465.28	\$ 614,465.28

Appendix F: Letter of Study Review from Professional Engineer

The following is the Letter of Study Review done by Jason Koch, P.E., Professional Engineer for the City of Greenfield as per IC 36-7-4-1318(d).



Department of Engineering

November 30, 2018

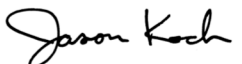
City Council
City of Greenfield
10 South State Street
Greenfield, IN 46140

Dear Council Members:

Please be advised that, as a qualified professional engineer licensed to practice engineering in the State of Indiana (IN PE 10707516), I have been consulted and taken an active role along with the Impact Fee Advisory Committee in the preparation of the new Recreation Impact Fee (RIF) Study. This plan has been created with the guidance and assistance of the firm Lehman and Lehman. I have reviewed the RIF Study and have found it to be in accordance with the requirements set forth by Indiana Code (IC) 36-7-4 1318(d).

If you have any questions, please feel free to contact me at (317) 325-1322.

Sincerely,



Jason A. Koch, P.E.
City Engineer
City of Greenfield

10 South State Street, Greenfield, Indiana 46140-2364 (317) 477-4320 Fax: (317) 477-4321

Greenfield Recreation Zone Improvement Plan Study

