



Jason Kauffman, CESSWI, MS4CECI, Stormwater Coordinator
STORMWATER DEPARTMENT, CITY OF GOSHEN

204 East Jefferson Street, Suite 1 • Goshen, IN 46528-3405

Phone (574) 537-3832 • Fax (574) 533-8626

jasonkauffman@goshencity.com • www.goshenindiana.org

CITY OF GOSHEN STORMWATER PROGRAM CAPITAL PLAN AND 2022 STORMWATER FEE RATE STUDY EXPLANATION

DATE: January 11, 2023

The City of Goshen is one of the four MS4 communities that make up the Greater Elkhart County Stormwater Partnership (Stormwater Partnership), which includes: the City of Elkhart, the City of Goshen, Elkhart County, and the Town of Bristol. A community is designated as a MS4 or municipal separate storm sewer system community as part of the United States of America's efforts to clean up our waterways as stormwater runoff is currently one of the most significant sources of water pollution. For more information on the creation of the Stormwater Department and the federal and state regulations Goshen is tasked with complying with see Additional Resources in Appendix C.

Each MS4 community is funded through a stormwater utility fee of \$15 per equivalent residential unit (ERU) with residential parcels charged a flat rate of \$15 and non-residential parcels charged a rate of \$15 per ERU or 3,600 square feet of hard surface area (pavement, roof, sidewalk). The collected funds are used to fund the salaries of 2.5 employees who work to implement the six minimum control measures required by Goshen's MS4 General Permit (see the Resources Section for more information). These six MCMs are:

- 1) Public Education and Outreach
- 2) Public Participation & Involvement
- 3) Illicit Discharge Detection & Elimination
- 4) Construction Site Runoff Control
- 5) Post-Construction Runoff Control
- 6) Municipal Pollution Prevention & Good Housekeeping

In addition, Stormwater funds are used to purchase equipment like street sweepers to help keep our city streets clean, to provide spill response materials to City departments when responding to accidents and material spills, to address drainage issues, to pay for drainage studies, to fund public education, and more.

In 2021, the City of Goshen collected \$542,985.44 in stormwater funds and with these funds the City was able to continue operating a stormwater program as it is; however, with additional funds the City could support to public improvement projects to improve stormwater runoff management, cover the costs of public storm sewers maintenance and street sweeping, address existing drainage issues, and support our local community and watershed partners.

In 2022, the Stormwater Partnership agreed a review of the stormwater user fee was necessary to determine if adequate funds were being collected to meet the stormwater budget needs of each Partner. The Stormwater Partnership hired Baker Tilly, a rate consultant, to perform a rate analysis of each Partner's stormwater program funding needs. Upon completing the rate study,

Baker Tilly concluded the minimum rate for the Stormwater Partnership should be \$36.10 per year. However, the Stormwater Partnership agreed the best way to implement a rate increase would be to do so gradually over a six-year period as shown in Table 1, which will provide time for business and property owners to adjust to a changing fee. See Appendix A for the Baker Tilly rate analysis report.

	Proposed			
	Present	Phase 1 (2023)	Phase 2 (2026)	Phase 3 (2029)
Annual Rate per Customer Type				
Residential	\$15.00	\$22.05	\$29.10	\$36.10
Non-Residential (per ERU)	\$15.00	\$22.05	\$29.10	\$36.10

Table 1 – Schedule of Present and Proposed Rates and Charges

An increase in stormwater funds would allow the City of Goshen to work towards addressing a number of existing drainage issues throughout our community. In addition, non-stormwater funds currently paying for stormwater related projects and work could be freed up allowing the City to accomplish more. For example, City of Goshen Redevelopment funds have been used to fund several large projects like the two-stage ditch along a section of Horn Ditch from County Road 31 to College Avenue, the installation of a stormwater detention basin at the intersection of Steury Avenue E Lincoln Avenue, drainage improvements to Lighthouse Lane and The Crossing Subdivision to address ongoing drainage issues, and public improvements for the East College Avenue Development Project to allow for industrial development and drainage improvements.

As part of the stormwater fee rate analysis conducted by Baker Tilly the City of Goshen updated the Five-Year Capital Plan recognizing the work currently being done and work that could be done if sufficient funds were available. The Five-Year Capital Plan can be found in Appendix B; however, note the years listed are not accurate as the minimum funding through rates will not be available until 2029, and the dollar amounts were calculated based on 2022 costs.

APPENDIX A – BAKER TILLY MUNICIPAL ADVISORS
STORMWATER FEE RATE STUDY FOR THE GREATER
ELKHART COUNTY STORMWATER PARTNERSHIP



MUNICIPAL ADVISORS

Baker Tilly Municipal Advisors, LLC
112 IronWorks Ave, Ste C
Mishawaka, IN 46544
United States of America

T: +1 (574) 935 5178
F: +1 (574) 935 5928
bakertilly.com

October 28, 2022

Greater Elkhart County Stormwater Partnership
4230 Elkhart Road
Goshen, Indiana 46526

Re: MS4 Financial Analysis - Elkhart County Stormwater Partners

Dear Board Members:

The attached schedules (listed below) present unaudited and limited information for the purpose of discussion and consideration in the preliminary planning stage of a Stormwater rate study by the appropriate officers, officials and advisors of the Utility and the use of these schedules should be restricted to this purpose, for internal use only.


Pages

PRO FORMA FINANCIAL DATA

- 2 Historical Financial Summary
- 3 - 7 Comparison of Account Balances with Minimum Balances Recommended
- 8 - 11 Pro Forma Annual Cash Operating Disbursements
- 12 Pro Forma Annual Revenue Requirements and Annual Operating Receipts - Before Annexation
- 13 Pro Forma Annual Revenue Requirements and Annual Operating Receipts - After Annexation
- 14 Schedule of Present and Proposed Rates and Charges

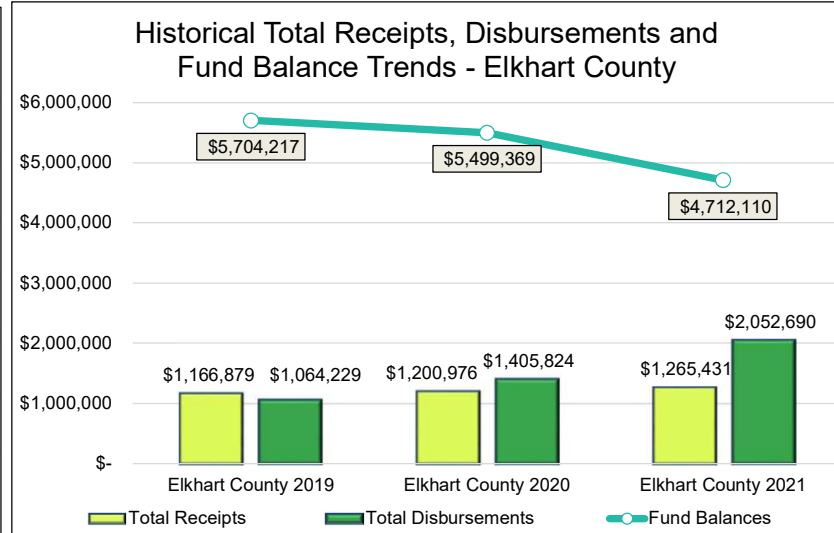
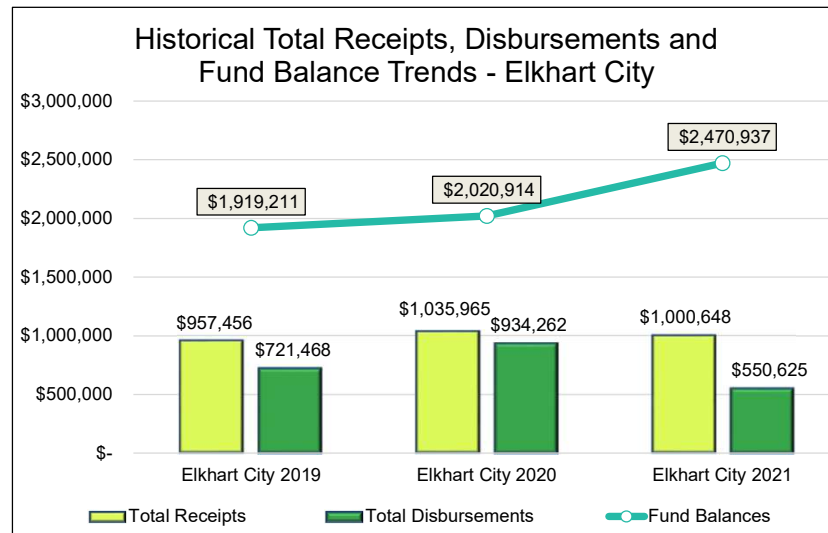
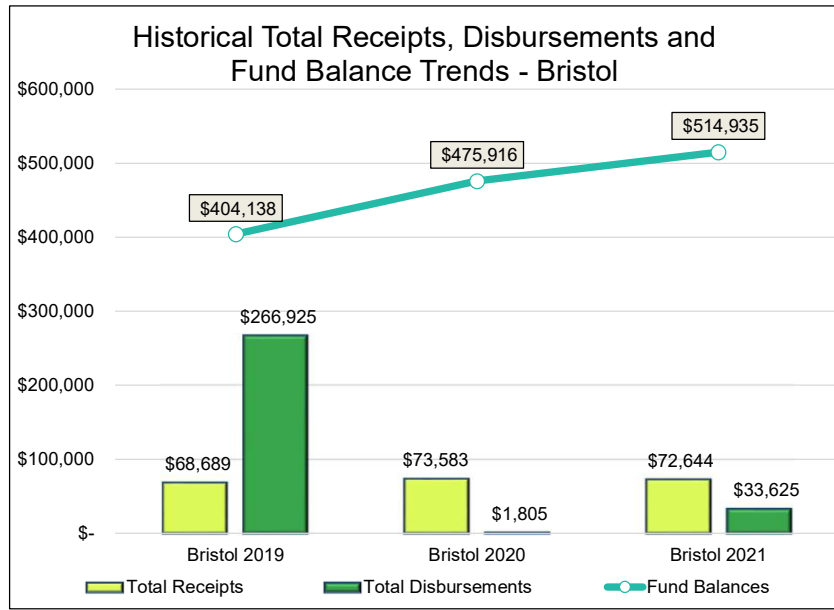
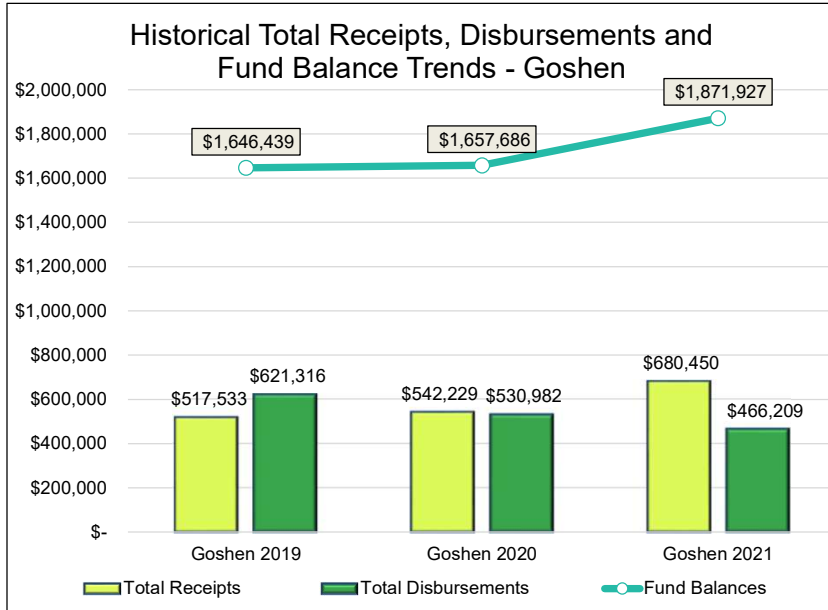
We would appreciate your questions or comments on this information and would provide additional information upon request.

Very truly yours,


Jeffrey P. Rowe, Partner

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

HISTORICAL FINANCIAL SUMMARY



(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

**BRISTOL COMPARISON OF ACCOUNT BALANCES WITH
MINIMUM BALANCES RECOMMENDED**

<u>Cash and Investments:</u>	<u>Account Balances 12/31/2021</u>	<u>Minimum Balance Recommended</u>	<u>Variance</u>
Stormwater MS-4 HR 9500 fund (1)	\$514,935	\$26,566	\$488,369
Stormwater improvement fund (2)	-	80,000	(80,000)
 Totals	 <u>\$514,935</u>	 <u>\$106,566</u>	 <u>\$408,369</u>

(1) **Stormwater MS-4 HR 9500 Fund:** The balance maintained in the stormwater MS-4 HR 9500 fund should be sufficient to pay the expenses of operation, repair, and maintenance of the utility for the next succeeding six (6) calendar months.

Pro Forma operation and maintenance disbursements (page 8)	\$53,132
Times factor for 6 months	<u>50.00%</u>
 Recommended Reserve	 <u>\$26,566</u>

(2) **Stormwater Improvement Fund:** No minimum balance required. However, as a general rule an amount equal to one year's budgeted capital expenditures is typically maintained in this account to provide a funding source for ongoing capital improvements.

Recommended Reserve	<u>\$80,000</u>
---------------------	-----------------

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

**GOSHEN COMPARISON OF ACCOUNT BALANCES WITH
MINIMUM BALANCES RECOMMENDED**

<u>Cash and Investments:</u>	<u>Account Balances 12/31/2021</u>	<u>Minimum Balance Recommended</u>	<u>Variance</u>
Stormwater Management Fund (1)	\$1,871,926	\$368,138	\$1,503,788
Stormwater improvement fund (2)	-	1,250,000	(1,250,000)
 Totals	 <u>\$1,871,926</u>	 <u>\$1,618,138</u>	 <u>\$253,788</u>

(1) **Stormwater Management Fund**: The balance maintained in the stormwater management fund should be sufficient to pay the expenses of operation, repair, and maintenance of the utility for the next succeeding six (6) calendar months.

Pro Forma operation and maintenance disbursements (page 9)	\$736,275
Times factor for 6 months	<u>50.00%</u>
Recommended Reserve	<u>\$368,138</u>

(2) **Stormwater Improvement Fund**: No minimum balance required. However, as a general rule an amount equal to one year's budgeted capital expenditures is typically maintained in this account to provide a funding source for ongoing capital improvements.

Recommended Reserve	<u>\$1,250,000</u>
---------------------	--------------------

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

**ELKHART CITY COMPARISON OF ACCOUNT BALANCES WITH
MINIMUM BALANCES RECOMMENDED**

<u>Cash and Investments:</u>	<u>Account Balances 12/31/2021</u>	<u>Minimum Balance Recommended</u>	<u>Variance</u>
Operating fund (1)	\$2,411,690	\$372,971	\$2,038,719
Capital fund (2)	59,246	1,600,000	(1,540,754)
Totals	<u>\$2,470,936</u>	<u>\$1,972,971</u>	<u>\$497,965</u>

(1) **Operating Fund:** The balance maintained in the operating fund should be sufficient to pay the expenses of operation, repair, and maintenance of the utility for the next succeeding six (6) calendar months.

Pro Forma operation and maintenance disbursements (page 10)	\$745,941
Times factor for 6 months	<u>50.00%</u>
Recommended Reserve	<u>\$372,971</u>

(2) **Capital Fund:** No minimum balance required. However, as a general rule an amount equal to one year's budgeted capital expenditures is typically maintained in this account to provide a funding source for ongoing capital improvements.

Recommended Reserve	<u>\$1,600,000</u>
---------------------	--------------------

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

**ELKHART COUNTY COMPARISON OF ACCOUNT BALANCES WITH
MINIMUM BALANCES RECOMMENDED**

<u>Cash and Investments:</u>	<u>Account Balances 12/31/2021</u>	<u>Minimum Balance Recommended</u>	<u>Variance</u>
Operating fund (1)	\$4,517,946	\$614,632	\$3,903,314
Stormwater improvement fund (2)	-	809,100	(809,100)
 Totals	 <u>\$4,517,946</u>	 <u>\$1,423,732</u>	 <u>\$3,094,214</u>

(1) **Operating Fund:** The balance maintained in the operating fund should be sufficient to pay the expenses of operation, repair, and maintenance of the utility for the next succeeding six (6) calendar months.

Pro Forma operation and maintenance disbursements (page 11)	\$1,229,264
Times factor for 6 months	<u>50.00%</u>
Recommended Reserve	<u>\$614,632</u>

(2) **Stormwater Improvement Fund:** No minimum balance required. However, as a general rule an amount equal to one year's budgeted capital expenditures is typically maintained in this account to provide a funding source for ongoing capital improvements.

Recommended Reserve	<u>\$809,100</u>
---------------------	------------------

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

**COMBINED COMPARISON OF ACCOUNT BALANCES WITH
MINIMUM BALANCES RECOMMENDED**

<u>Cash and Investments:</u>	<u>Account Balances 12/31/2021</u>	<u>Minimum Balance Recommended</u>	<u>Variance</u>
Operating fund (1)	\$9,316,497	\$1,382,306	\$7,934,191
Capital fund (2)	<u>59,246</u>	<u>3,739,100</u>	<u>(3,679,854)</u>
	<u><u>\$9,375,743</u></u>	<u><u>\$5,121,406</u></u>	<u><u>\$4,254,337</u></u>

(1) **Operating Fund:** The balance maintained in the operating fund should be sufficient to pay the expenses of operation, repair, and maintenance of the utility for the next succeeding six (6) calendar months.

Pro Forma operation and maintenance disbursements (page 8 - 11)	\$2,764,612
Times factor for 6 months	<u>50.00%</u>
Recommended Reserve	<u><u>\$1,382,306</u></u>

(2) **Capital Fund:** No minimum balance required. However, as a general rule an amount equal to one year's budgeted capital expenditures is typically maintained in this account to provide a funding source for ongoing capital improvements.

Recommended Reserve	<u><u>\$3,739,100</u></u>
---------------------	---------------------------

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

BRISTOL PRO FORMA ANNUAL CASH OPERATING DISBURSEMENTS

	<u>Calendar Year 2021</u>	<u>Adjustment</u>	<u>Ref.</u>	<u>Pro Forma</u>
Annual Operating Disbursement:				
Salaries and wages	\$ -	\$6,000	(1)	\$6,000
Contractual services	-	38,500	(2)	38,500
Miscellaneous	6,102			6,102
	<u>6,102</u>	<u>44,500</u>		<u>6,102</u>
Subtotal:	<u>\$6,102</u>	<u>\$44,500</u>		50,602
Unforeseen contingencies and inflation (5%)				<u>2,530</u>
Pro Forma Annual Cash Operating Disbursements				<u><u>\$53,132</u></u>

(1) To reflect current year budgeted wages per Town Manager.

(2) To reflect estimated annual ongoing future engineering costs per Town Manager.

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

GOSHEN PRO FORMA ANNUAL CASH OPERATING DISBURSEMENTS

	Calendar Year 2021	Adjustment	Ref.	Pro Forma
Annual Operating Disbursement:				
Salaries and wages	\$269,784	(\$56,884)	(1)	\$212,900
Employee pensions and benefits	129,094	(8,094)	(1)	121,000
Materials and supplies	1,470	4,403	(2)	5,873
Repairs and maintenance	3,462			3,462
Contractual services	37,205	17,446	(2)	54,651
Regulatory Fees	14,961			14,961
Miscellaneous	5,767			5,767
Additional operating costs	-	317,661	(3)	317,661
Totals	\$461,743	\$274,532		\$736,275

(1) To reflect utility management estimates for future staffing costs.

(2) Based on 3-year historical average.

(3) Based on estimated additional costs that are currently paid by sources outside of the Stormwater Utility that are anticipated to be fully paid by Stormwater by 2024, per the Stormwater Coordinator.

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

ELKHART CITY PRO FORMA ANNUAL CASH OPERATING DISBURSEMENTS

	<u>Calendar Year 2021</u>	<u>Adjustment</u>	<u>Ref.</u>	<u>Pro Forma</u>
Annual Operating Disbursement:				
Salaries and wages	\$269,248	\$66,139	(1)	\$335,387
Employee pensions and benefits	82,968	52,297	(1)	135,265
Materials and supplies	77,800			77,800
Contractual services	33,463	66,537	(2)	100,000
Regulatory Fees	30,221			30,221
Miscellaneous	45,488	(13,741)	(2)	31,747
	<u>\$539,188</u>	<u>\$171,232</u>		710,420
Subtotal:				710,420
Unforeseen contingencies and inflation (5%)				<u>35,521</u>
Pro Forma Annual Cash Operating Disbursements				<u><u>\$745,941</u></u>

- (1) Adjustments to include an allowance for two currently vacant positions to be filled.
- (2) Per City Stormwater Manager.

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

ELKHART COUNTY PRO FORMA ANNUAL CASH OPERATING DISBURSEMENTS

	Calendar Year 2021	Adjustment	Ref.	Pro Forma
	<u> </u>	<u> </u>		<u> </u>
Annual Operating Disbursement:				
Salaries and wages	\$380,388			\$380,388
Employee pensions and benefits	61,757			61,757
Materials and supplies	277,753			277,753
Repairs and maintenance	92,560	(\$44,783)	(1)	47,777
Contractual services	246,369	(49,983)	(1)	196,386
Regulatory Fees	103,562			103,562
Insurance	80,178			80,178
Miscellaneous	22,927			22,927
	<u> </u>	<u> </u>		<u> </u>
Subtotal:	<u>\$1,265,494</u>	<u>(\$94,766)</u>		1,170,728
				<u> </u>
Unforeseen contingencies and inflation (5%)				58,536
				<u> </u>
Pro Forma Annual Cash Operating Disbursements				<u>\$1,229,264</u>

(1) Based on 3-year historical average.

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

**PRO FORMA ANNUAL REVENUE REQUIREMENTS
AND ANNUAL OPERATING RECEIPTS - BEFORE ANNEXATION**
(Amounts rounded to the nearest \$100)

	<u>Individual Revenue Requirements</u>				<u>Combined Revenue Requirements</u>
	<u>Bristol</u>	<u>Goshen</u>	<u>Elkhart City</u>	<u>Elkhart County</u>	
<u>Revenue Requirements:</u>					
Operation and maintenance disbursements (pages 8 - 11)	\$53,100	\$736,300	\$745,900	\$1,229,300	\$2,764,600
Allowance for replacements and improvements	80,000 (1)	1,250,000 (2)	1,600,000 (1)	809,100 (3)	3,739,100
Total Annual Revenue Requirements	133,100	1,986,300	2,345,900	2,038,400	6,503,700
Less miscellaneous receipts	-	(137,500) (4)	-	-	(137,500)
Net Annual Revenue Requirements	<u>\$133,100</u>	<u>\$1,848,800</u>	<u>\$2,345,900</u>	<u>\$2,038,400</u>	<u>\$6,366,200</u>
<u>Annual Receipts:</u>					
Stormwater fees current (5)	\$72,600	\$543,000	\$1,000,600	\$1,032,100	\$2,648,300
Additional stormwater fees from proposed rate increase (6)	101,900	762,300	1,404,700	1,449,000	3,717,900
Total estimated stormwater receipts after rate increase	<u>\$174,500</u>	<u>\$1,305,300</u>	<u>\$2,405,300</u>	<u>\$2,481,100</u>	<u>\$6,366,200</u>
Surplus/(shortfall)	<u>\$41,400</u>	<u>(\$543,500)</u>	<u>\$59,400</u>	<u>\$442,700</u>	<u>\$ -</u>

(1) Per Town/Stormwater Manager.

(2) Based on the average annual capital improvement costs from the 5-year capital plan provided by the City's Stormwater Coordinator.

(3) Based on 3-year historical average after adjusting to remove special projects, plus an allowance of \$500,000 for future special projects.

(4) Based on a 3-year historical average after adjusting to remove payroll reimbursements accounted for in the operation and maintenance disbursements.

(5) Based on calendar year 2021 actual receipts.

(6) Based on 2021 Stormwater receipts times the proposed combined rate increase as reflected on page 2 of the Rate Study dated November 4, 2022.

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

**PRO FORMA ANNUAL REVENUE REQUIREMENTS
AND ANNUAL OPERATING RECEIPTS - AFTER ANNEXATION**
(Amounts rounded to the nearest \$100)

	<u>Individual Revenue Requirements</u>				<u>Combined Revenue Requirements</u>
	<u>Bristol</u>	<u>Goshen</u>	<u>Elkhart City</u>	<u>Elkhart County</u>	
<u>Revenue Requirements:</u>					
Operation and maintenance disbursements (pages 8 - 11)	\$53,100	\$736,300	\$745,900	\$1,229,300	\$2,764,600
Allowance for replacements and improvements	80,000 (1)	1,250,000 (2)	1,600,000 (1)	809,100 (3)	3,739,100
Total Annual Revenue Requirements	133,100	1,986,300	2,345,900	2,038,400	6,503,700
Less miscellaneous receipts	-	(137,500) (4)	-	-	(137,500)
Net Annual Revenue Requirements	<u>\$133,100</u>	<u>\$1,848,800</u>	<u>\$2,345,900</u>	<u>\$2,038,400</u>	<u>\$6,366,200</u>
<u>Annual Receipts:</u>					
Stormwater fees current (5)	\$72,600	\$543,000	\$1,000,600	\$1,032,100	\$2,648,300
Additional stormwater fees from proposed rate increase (6)	101,900	762,300	1,404,700	1,449,000	3,717,900
Approximate Annexed property receipt adjustments (7)	-	200	40,000	(40,200)	-
Total estimated stormwater receipts after rate increase and annexation	<u>\$174,500</u>	<u>\$1,305,500</u>	<u>\$2,445,300</u>	<u>\$2,440,900</u>	<u>\$6,366,200</u>
Surplus/(shortfall)	<u>\$41,400</u>	<u>(\$543,300)</u>	<u>\$99,400</u>	<u>\$402,500</u>	<u>\$ -</u>

(1) Per Town/Stormwater Manager.

(2) Based on the average annual capital improvement costs from the 5-year capital plan provided by the City's Stormwater Coordinator.

(3) Based on 3-year historical average after adjusting to remove special projects, plus an allowance of \$500,000 for future special projects.

(4) Based on a 3-year historical average after adjusting to remove payroll reimbursements accounted for in the operation and maintenance disbursements.

(5) Based on calendar year 2021 actual receipts.

(6) Based on 2021 Stormwater receipts times the proposed combined rate increase as reflected on page 2 of the Rate Study dated November 4, 2022.

(7) Based on 2021 ERU amounts for the anticipated annexed properties as provided by Stormwater management.

(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

GREATER ELKHART COUNTY (INDIANA) STORMWATER PARTNERSHIP

SCHEDULE OF PRESENT AND PROPOSED RATES AND CHARGES

<u>Annual Rate per Customer Type:</u>	<u>Present</u>	<u>Phase I</u>	<u>Proposed Phase II</u>	<u>Phase III</u>
		(2)	(2)	(2)
Residential	\$15.00	\$22.05	\$29.10	\$36.10
Non-Residential (per ERU) (1)	15.00	22.05	29.10	36.10

(1) 1 ERU (Equivalent Residential Unit) = 3,600 square feet

(2) Based on the rate increase proposed on page 2 of the Rate Study dated November 4, 2022. The increase is proposed to be split across three phases.

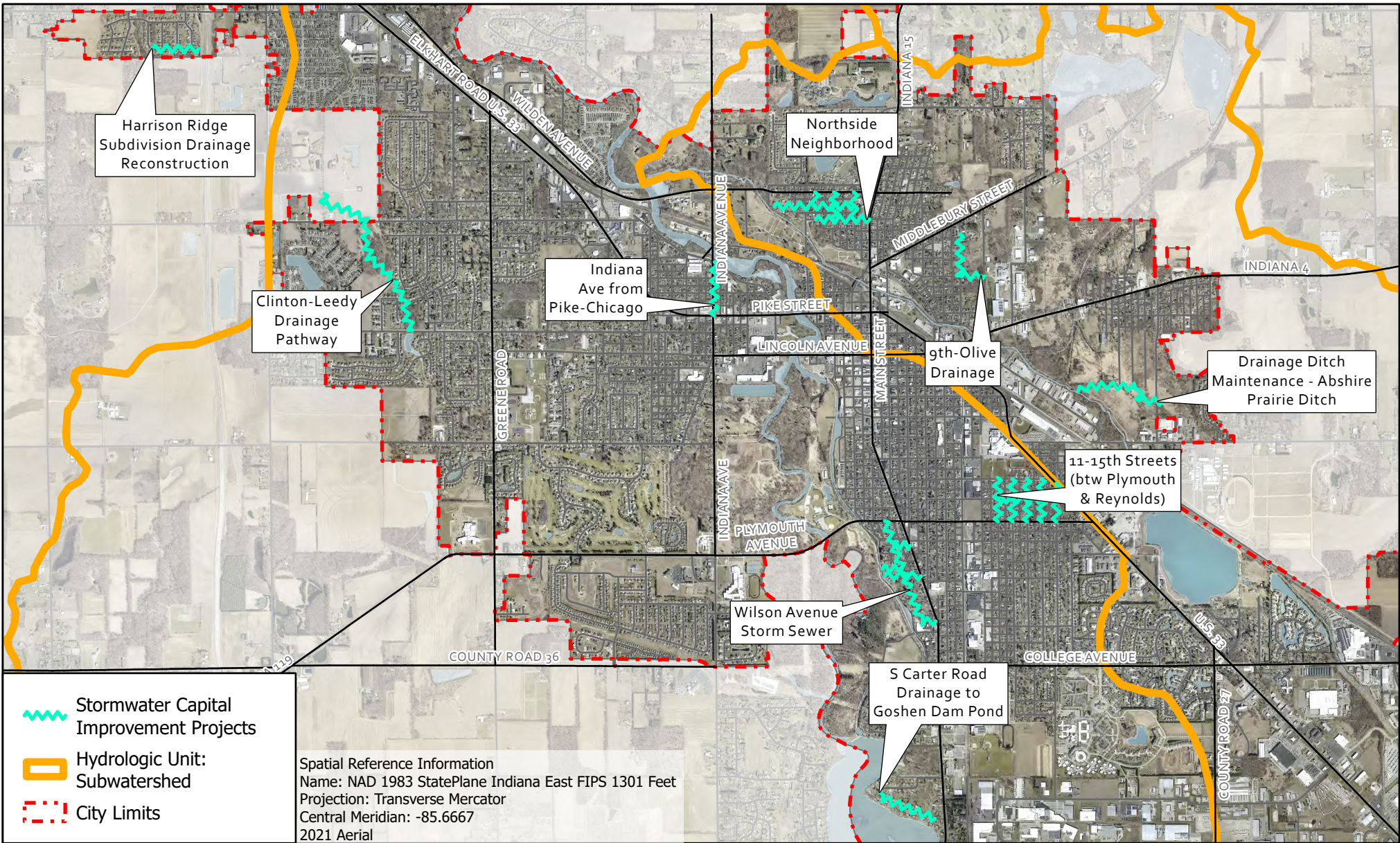
(Subject to the attached letter dated October 28, 2022)
(Internal Use Only)

APPENDIX B – CITY OF GOSHEN STORMWATER FIVE-
YEAR CAPITAL PLAN

GOSHEN STORMWATER FIVE YEAR CAPITAL PLAN

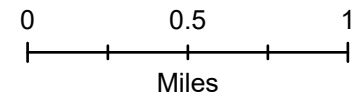
			Current	5-Year Plan					
Capital Category	Sub-Category	Projects	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total
Staffing									
	Current ¹	Stormwater Superintendent (25%) ²	\$28,000	-	-	-	-	-	\$0
		Stormwater Coordinator (full)	\$57,000	\$59,000	\$61,065	\$63,202	\$65,414	\$67,704	\$316,385
		Stormwater Specialist (full)	\$53,000	\$55,000	\$56,925	\$58,917	\$60,979	\$63,114	\$294,936
		Inspector (50%) ³	\$24,500	\$25,500	\$26,393	\$27,316	\$28,272	\$29,262	\$136,743
		Seasonal	\$18,000	\$18,000	\$18,000	\$18,630	\$19,282	\$19,957	\$93,869
	Future Staff	Stormwater Green Infrastructure Maintenance ⁴	-	-	\$50,000	\$51,750	\$53,561	\$55,436	\$210,747
	Benefits		\$128,200	\$114,900	\$121,000	\$123,057	\$127,364	\$131,822	\$618,143
		Total	\$308,700	\$272,400	\$333,383	\$342,873	\$354,873	\$367,294	\$1,670,823
Programming									
	Flood Resilience	Property Purchase Program	\$200,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000
		USGS River Gauge and Other Monitoring Investment	-	-	\$25,000	\$25,000	\$25,000	\$25,000	\$100,000
	Infrastructure Maintenance	Catch Basin Cleaning ^{5,6,7}	\$73,000	\$73,000	\$75,190	\$77,446	\$79,769	\$82,162	\$387,567
		Environmental Disposal (e.g., landfill tipping fees) ^{6,8}	\$50,000	\$72,754	\$76,061	\$79,368	\$82,675	\$82,675	\$393,533
		Basin Mowing ⁵	\$4,400	\$4,400	\$6,000	\$8,000	\$8,240	\$8,487	\$35,127
		Basin/Ditch Maintenance ⁵	\$78,000	\$78,000	\$80,000	\$82,400	\$84,872	\$87,418	\$412,690
		Green Infrastructure Maintenance ¹³	-	-	-	\$25,000	\$25,000	\$25,000	\$75,000
	Education	Elkhart Aquatic Biology Program ⁵	\$7,500	\$7,500	\$7,725	\$7,957	\$8,195	\$8,441	\$39,819
		Water Fest ⁵	\$3,400	\$4,100	\$5,000	\$5,150	\$5,305	\$5,464	\$25,018
	Watershed Support	St. Joseph River Basin Commission ^{5,6}	\$2,800	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$15,000
	Greater Elkhart County Stormwater Partnership	Stormwater Partnership/SWCD Services	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
	General Operations	Operating Supplies ⁵	\$6,200	\$5,900	\$6,077	\$6,259	\$6,447	\$6,641	\$31,324
		Misc. Contract Services/Professional Services ⁵	\$14,900	\$16,800	\$17,304	\$17,823	\$18,358	\$18,909	\$89,193
		Equipment Repairs and Maintenance ⁵	\$5,000	\$10,000	\$10,300	\$10,609	\$10,927	\$11,255	\$53,091
		Good Housekeeping Materials	\$5,000	\$5,000	\$7,500	\$7,500	\$7,500	\$7,500	\$35,000
		Staff Training ⁵	\$4,470	\$4,470	\$6,000	\$6,180	\$6,365	\$6,556	\$29,572
		Other Services/Charges ⁵	\$2,250	\$2,250	\$2,318	\$2,387	\$2,459	\$2,532	\$11,946
	Total does not include above items not currently paid by Stormwater	Total	\$406,120	\$266,174	\$382,375	\$419,079	\$429,212	\$436,240	\$1,933,080
Studies									
		Cherry Creek	\$18,800	-	-	-	-	-	\$0
		9th - Olive Drainage	\$20,000	-	-	-	-	-	\$0
		Oakridge and 5th	-	\$20,000	-	-	-	-	\$20,000
		Clinton - Leedy Drainage Pathway	-	-	\$20,000	\$20,000	-	-	\$40,000
		Other	-	-	-	-	\$20,000	\$20,000	\$40,000
	Stormwater Master Planning	-	-	\$50,000	\$50,000	-	-	-	\$100,000
		Total	\$38,800	\$70,000	\$70,000	\$20,000	\$20,000	\$20,000	\$200,000

Capital Category	Sub-Category	Projects	Current	5-Year Plan					Total	
			FY2022	FY2023	FY2024	FY2025	FY2026	FY2027		
Capital Outlays										
	Equipment	Street Sweeper ⁹	-		\$250,000					\$250,000
		Second Vehicle	-	-	-	\$40,000	-	-	-	\$40,000
	Projects (cost per block estimated by block at \$966,000 for traditional curb and gutter and \$795,000 for non-traditional, less intensive) ¹²	9th - Olive Drainage	\$50,000	-	-	-	-	-	-	\$3,500,000
		11th-15th Streets (btw Plymouth & Reynolds)	-	-	-	-	-	-	-	\$11,130,000
		Clinton - Leedy Drainage Pathway	-	-	-	-	-	-	-	\$5,000,000
		Downtown Alleys (Alley 250 & Art Alleyway)	\$50,000	\$50,000	-	-	-	-	-	\$50,000
		Drainage Ditch Maintenance - Abshire Prairie Ditch ¹⁰	-	-	-	-	-	-	-	\$17,500
		Goshen Industrial Park (Redevelopment Paying)	-	-	-	-	-	-	-	\$0
		Harrison Ridge Subdivision Drainage Reconstruction	-	-	-	-	-	-	-	\$250,000
		Indiana Ave from Pike - Chicago	-	-	-	-	-	-	-	\$1,000,000
		Northside Neighborhood (Queen, Oakridge, etc.)	-	-	-	-	-	-	-	\$13,524,000
		S Carter Road Drainage to Goshen Dam Pond ¹¹	-	-	-	-	-	-	-	\$72,850
		Wilson Avenue Storm Sewer	-	-	-	-	-	-	-	\$8,694,000
	Unitemized Projects	Water/Sewer Special Operations	\$130,000	\$130,000	\$130,000	\$130,000	\$130,000	\$130,000	\$130,000	\$650,000
	Green Infrastructure Investment ¹³		-	-	-	\$100,000	\$100,000	\$100,000	\$100,000	\$300,000
Stormwater Treatment Units		-	-	-	\$100,000	-	\$100,000	\$100,000	\$200,000	
		Total	\$230,000	\$180,000	\$380,000	\$370,000	\$230,000	\$330,000	\$44,678,350	
		TOTALS	\$983,620	\$788,574	\$1,165,757	\$1,151,952	\$1,034,086	\$1,153,534	\$48,482,253	
Notes:										
1 - Salaries are increased each year at a 3.5% rate.										
2 - Stormwater Superintendent was removed from the Stormwater Budget after FY 2022.										
3 - The amount shown here reflects 50% of the salary paid as 50% is reimbursed to the Stormwater Fund from the Utilities' Fund.										
4 - No baseline to make estimates from at this time.										
5 - To account for inflation, 3% was added to each consecutive year.										
6 - Current expenditures not paid with Stormwater funds in 2022 or 2023										
7 - For base year 2022, this was calculated based on a 2006 pro forma with a daily rate of \$730 multiplied by 80 days (rounded). A catch basin maintenance and replacement estimate of \$14,000 was then added to the total. An exact cost of activity has not been calculated recently.										
8 - A 5-year average of 3,307 tons of collected debris (street sweepings and catch basin debris) is used along with the following landfill tipping fees: \$22/2023, \$23/2024, \$24/2025, \$25/2026.										
9 - A new street sweeper is purchased every 4 years.										
10 - 2,140 linear feet of clearing at \$8 a linear foot (2021 cost estimate)										
11 - Project Cost Estimate based on 2009 construction costs.										
12 - Project cost-estimates are still being determined and feasible timeline for project completion is being discussed. The desire it to address many of these projects over the next five years.										
13 - Based off of cost estimates from other established Green Infrastructure programs an annual allowance of \$125,000 will provide funding to be accumulated for projects and cover ongoing maintenance costs.										



City of Goshen

Created: 7/28/2022
 by Mattie Lehman



Stormwater 5-Year Capital Improvement Projects

The City of Goshen's Digital Data is the property of the City of Goshen and Elkhart County, Indiana. All graphic data supplied by the city and county has been derived from public records that are constantly undergoing change and is not warranted for content or accuracy. The city and county do not guarantee the positional or thematic accuracy of the data. The cartographic digital files are not a legal representation of any of the features depicted, and the city and county disclaim any assumption of the legal status they represent. Any implied warranties, including warranties of merchantability or fitness for a particular purpose, shall be expressly excluded. The data represents an actual reproduction of data contained in the city's or county's computer files. This data may be incomplete or inaccurate, and is subject to modifications and changes. City of Goshen and Elkhart County cannot be held liable for errors or omissions in the data. The recipient's use and reliance upon such data is at the recipient's risk. By using this data, the recipient agrees to protect, hold harmless and indemnify the City of Goshen and Elkhart County and its employees and officers. This indemnity covers reasonable attorney fees and all court costs associated with the defense of the city and county arising out of this disclaimer.

The City of Goshen
 Department of Public Works &
 Safety Office of Engineering

204 East Jefferson Street, Goshen, Indiana 46528
 Phone: 574-534-2201 Fax: 574-533-8626

APPENDIX C – ADDITIONAL RESOURCES

Goshen Department of Stormwater Management

- www.goshenindiana.org/stormwater-management

Goshen Department of Stormwater Management Five Year Capital Plan

- www.goshenindiana.org/capital-plan-&-annual-reports

Greater Elkhart County Stormwater Partnership

- www.elkcoswcd.org/stormwater-partnership/

Indiana Department of Environmental Management MS4

- www.in.gov/idem/stormwater/municipal-separate-storm-sewer-systems-ms4/

Indiana Department of Environmental Management Stormwater Permitting

- www.in.gov/idem/stormwater/