



*Department of Engineering*

**February 11, 2020**

Board of Public Works & Safety  
10 South State Street  
Greenfield, IN 46140

Dear Members,

The City has made a commitment to extending Opportunity Parkway another 1,100' to the west – what we're calling Phase 4. This would get the road and utilities to the 60+ acre Miller parcel, the last piece of land within Progress Business Park to be connected with infrastructure.

When we started design of Phase 4, GAI omitted the sanitary sewer design in amendment #4 and when we found the error, we were hopeful that it would be a simple and straightforward design. It turned out that it was not as straightforward as we had hoped, so they're requesting to be compensated for the extra work. We've also requested and received a \$3,400.00 credit for the wetland restoration that we split among GAI, Poindexter, and the City. This amendment also included \$3,000.00 for any as-needed construction administration/assistance as we prepare for construction this spring.

I would like to ask for approval of the PSA Amendment #6 with GAI Consultants in the increased amount of \$19,600.00 for a new contract total not to exceed \$720,347.00.

<b>Contract Summary</b>	
Original Contract Amount	\$ 507,100.00
Amendment #1	\$ 30,000.00
Amendment #2	\$ 37,597.00
Amendment #3	\$ 34,800.00
Amendment #4	\$ 107,300.00
Amendment #5	\$ 3,550.00
Amendment #6	\$ 19,600.00
Total Revised Contract	\$ 739,947.00

Sincerely,

Jason A. Koch, P.E.  
City Engineer



GAI Indiana offices located in:  
Fishers, Fort Wayne, Indianapolis, and Vevay

February 5, 2020

GAI Project No. D170412.00

Mr. Jason Koch, PE  
City of Greenfield  
10 South State Street  
Greenfield, Indiana 46140

**Supplemental Agreement #6  
Greenfield Business Park - Sanitary Sewer Design**

Dear Mr. Koch:

This letter is our supplemental proposal request to provide additional professional engineering services for the effort required to prepare Sanitary Sewer Engineering documents for the Phase 4 Extension project.

**Supplemental Services to be Provided**

**Sanitary Sewer Design**

- Complete design of gravity sanitary sewer main, including proposed alignment and grade
- Compute final Project quantities and estimate of construction costs.
- Prepare technical specifications for the improvements, including measurement and payment, specifications, special provisions.
- Prepare front end bidding and contract documents- using City provided standard template.
- Complete and obtain IDEM Sanitary Sewer Permit.

**Construction Administration**

- This line item will cover shop drawing review and other post-bid questions/answers that come up as construction commences, along with any requested on-site meetings with the Contractor.

This Supplemental Agreement #6 totals **\$19,600.00**, bringing the total fee to **\$739,947.00**. A \$3400.00 credit for the wetland restoration performed by Poindexter is included in the request. The updated fee breakdown is on the following page.

Items	Original	Supp. #1	Supp. #2	Supp. #3	Supp. #4	Supp. #5	Supp. #6	Total
Roadway Infrastructure Planning and Design <i>(Hourly NTE)</i>	\$281,300							\$281,300
Water Infrastructure Planning and Design <i>(Hourly NTE)</i>	\$52,900							\$52,900
Wastewater Infrastructure Planning and Design <i>(Hourly NTE)</i>	\$98,400							\$98,400
Project Management <i>(Hourly NTE)</i>	\$44,500				\$9,900			\$54,400
Geotechnical Investigation <i>(Unit Rate, performed by Earth Exploration)</i>	\$10,000		(\$2,403)					\$7,597
ROW Engineering <i>(Per Parcel)</i>	\$10,000					\$3,550		\$13,550
Environmental Permits <i>(Hourly NTE)</i>			\$30,000	\$34,800	\$29,400			\$94,200
Extension Roadway <i>(Lump Sum)</i>					\$60,500			\$60,500
<b>Wastewater Infrastructure Planning and Design <i>(Lump Sum)</i></b>							<b>\$20,000</b>	<b>\$20,000</b>
<b>Construction Administration <i>(Hourly NTE)</i></b>	\$10,000	\$30,000	\$10,000		\$7,500		<b>\$3,000</b>	<b>\$60,500</b>
<b>Credit for Wetland Restoration</b>							<b>(\$3,400)</b>	<b>(\$3,400)</b>
Supplemental Amount		\$30,000	\$37,597	\$34,800	\$107,300	\$3,550	\$19,600	\$232,847
<b>Total (NTE)</b>	<b>\$507,100</b>	<b>\$537,100</b>	<b>\$574,697</b>	<b>\$609,497</b>	<b>\$716,797</b>	<b>\$720,347</b>	<b>\$739,947</b>	<b>\$739,947</b>

Thank you for the opportunity to submit this supplemental proposal for professional engineering services. If this request is acceptable, please sign where indicated on the next page and return one copy for our file. If you have any questions with this proposal, please contact me at 317.570.6800 or by email at s.hornsby@gaiconsultants.com

Sincerely,  
**GAI Consultants, Inc.**

Scott F. Hornsby, PE  
 Vice President  
 SFH/kam

**Supplemental Agreement #6 for Infrastructure Design Services – Greenfield Business Park**

REQUESTED AND AUTHORIZED BY:

City of Greenfield, Indiana

**DATE:** \_\_\_\_\_

**Mayor:**

Signature: \_\_\_\_\_

Chuck Fewell, Mayor

**Board of Works:**

Signature: \_\_\_\_\_

Kelly McClarnon

Signature: \_\_\_\_\_

Larry Breese

Signature: \_\_\_\_\_

Glenna Shelby

Signature: \_\_\_\_\_

Katherine Locke

**GAI CONSULTANTS, INC.**

**MANHOOR JUSTIFICATION**



**PROJECT:** Greenfield Progress Park Phase 3 Extension

**WORK TYPE:** Supplemental #6

**Date:** 02/05/20

WORK CLASSIFICATION	Project Manager	Asst Project Manager	Project Engineer	Junior Engineer (EI)	Lead Designer	Lead Technician	TOTAL
	SANITARY SEWER DESIGN						
Design and plan development		16	16	40	16	21	\$11,440.00
Quantities		2	6				
Engineer's Estimate		2	6				\$1,030.00
Specifications and Special Provisions	2	4					
Contract Bid Documents	2	4	4				
IDEM Sanitary Sewer Permit Application		4	8				\$1,580.00
QA/QC	8	8					\$2,560.00
<b>TOTAL HOURS</b>	12	40	40	40	16	21	169
<b>AVG. HOURLY RATE (INCLUDES PROFIT &amp; OH)</b>	\$ 165.00	\$ 155.00	\$ 120.00	\$ 90.00	\$ 110.00	\$ 80.00	\$ -
<b>SALARY COST</b>	\$ 1,980.00	\$ 6,200.00	\$ 4,800.00	\$ 3,600.00	\$ 1,760.00	\$ 1,680.00	\$ 20,020.00
<b>DIRECT COSTS (see below)</b>							\$ 10.00
<b>TOTAL FEE</b>							<b>\$ 20,030.00</b>

DIRECT COSTS	UNIT COST	QUANTITY	COST
Travel	\$ 0.55	0	\$ -
Newspaper Announcements	\$ 500.00	0	\$ -
Permit Fees	\$ 215.00	0	\$ -
Copies	\$ 0.10	100	\$ 10.00
Lodging	\$ 100.00	0	\$ -
Meals	\$ 15.00	0	\$ -
		<b>TOTAL</b>	<b>\$ 10.00</b>

**USE \$20,000.00**