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Tx:4434628

RETURN TO:

**CLERK, CITY OF TROY
116 E. MARKET
TROY, IL 62294**

2019R19069
STATE OF ILLINOIS
MADISON COUNTY
06/19/2019 02:46 PM
AMY M. MEYER, RECORDER
REC FEE: 46.00
CO STAMP FEE:
ST STAMP FEE:
FF FEE:
RHSPS FEE:
OF PAGES: 19

CITY OF TROY

ORDINANCE NO. 2019 - 05

46.00 CTY

**AN ORDINANCE AUTHORIZING THE EXECUTION OF AMENDMENT # 2 TO
THE INTERGOVERNMENTAL AGREEMENT BETWEEN THE VILLAGE OF
GLEN CARBON, ILLINOIS, AND THE CITY OF TROY, ILLINOIS, FOR THE
IMPROVEMENTS TO BOUSE ROAD AT OLD TROY ROAD
(AUTHORIZED BY ORDINANCE 2017-10 &
AMENDED BY ORDINANCE 2018-08)**

**ADOPTED BY THE
CITY COUNCIL OF THE
CITY OF TROY, ILLINOIS
THIS 3rd DAY OF JUNE, 2019**

**Published in pamphlet form by the authority of the City Council of the City of Troy,
Madison County, Illinois, this 3rd day of June, 2019.**

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GLEN CARBON, ILLINOIS, AND THE CITY OF TROY, ILLINOIS, FOR THE
IMPROVEMENTS TO BOUSE ROAD AT OLD TROY ROAD
(AUTHORIZED BY ORDINANCE 2017-10 &
AMENDED BY ORDINANCE 2018-08)**

WHEREAS, the Constitution of the State of Illinois, 1970, Article VII., Section 10, and the Intergovernmental Cooperation Act (5 ILCS 220/1, et seq.), authorizes units of local government to contract or otherwise associate among themselves in any manner not prohibited by law or ordinance; and

WHEREAS, on May 15, 2017, the Mayor and City Council for the City of Troy, Illinois, passed Ordinance 2017-10, which authorized the execution of an Intergovernmental Agreement between the City of Troy and the Village of Glen Carbon, Illinois, for the purpose of improvements to Old Troy Road and Bouse Road, which is located in, and services both, the City and Village; and

WHEREAS, on May 7, 2018, the Mayor and City Council for the City of Troy, Illinois, passed Ordinance 2018-08, which authorized the execution of Amendment #1 to the Intergovernmental Agreement between the City of Troy and the Village of Glen Carbon, Illinois, for the purpose of clarifying the improvements and financing to Old Troy Road and Bouse Road, which is located in, and services both, the City and Village; and

WHEREAS, after the acceptance of bids for the project by the Village of Glen Carbon, Illinois, the Mayor and the City Council for the City of Troy, Illinois, believe it is in the best interest to amend for a second time the Intergovernmental Agreement with the Village of Glen Carbon, to authorize the additional extension of Bouse Road to the intersection at Chamberlain Drive, including clarifications on the details of costs and financing.

**NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF
THE CITY OF TROY, MADISON COUNTY, ILLINOIS, AS FOLLOWS:**

- Section 1.** The recitals set forth above are hereby incorporated herein as if fully set forth.
- Section 2.** The Mayor of the City of Troy, Illinois, is hereby authorized to execute Amendment #2 to the Intergovernmental Agreement attached hereto as "Exhibit A", and the Clerk of the City of Troy, Illinois, is hereby authorized to attest to the same.
- Section 3:** The Mayor the City of Troy, Illinois, is further hereby authorized to execute and deliver any other documents necessary and/or required of the City in furtherance of this amended Intergovernmental

Agreement, and the Clerk of the City of Troy, Illinois, is further hereby authorized to attest to the same.

Section 4: If any section or provision of this Ordinance is declared invalid for any reason, such invalidity shall not affect or impair any of the remaining sections or provisions of this Ordinance which can be given effect without the invalid section or provision, and to this end, the sections and provisions of this Ordinance are declared to be severable.

Section 5: The Ordinance shall be effective upon its passage, signing, and publication as required by law.

PASSED by the City Council of the City of Troy, Madison County, Illinois, approved by the Mayor, and deposited in the office of the City Clerk this 3rd day of June, 2019.

Those voting aye: Dawson, Henderson, Levo, Manley,
Partney, Thompson, & Turner

Those voting nay: _____

Those absent: Italiano

APPROVED:

By: 

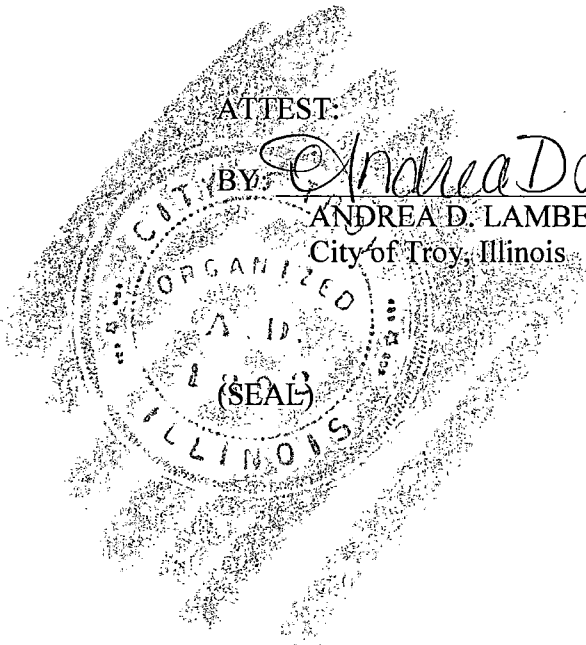
ALLEN ADOMITE, Mayor
City of Troy, Illinois

ATTEST:

BY:



ANDREA D. LAMBERT, Clerk
City of Troy, Illinois



INTERGOVERNMENTAL AGREEMENT
AMENDMENT

WHEREAS, the Village of Glen Carbon, Illinois (hereinafter "Village") and the City of Troy, Illinois (hereinafter "City") entered into an Intergovernmental Agreement dated the 9th day of May 2017 to complete improvements to the Old Troy Road within their respective jurisdictions; and,

WHEREAS, work has been planned and performed pursuant to said Intergovernmental Agreement; and,

WHEREAS, Whereas the scope of the improvements to Old Troy Road within the City has been expanded beyond the improvements contemplated by the original Intergovernmental Agreement at the request of the City; and,

WHEREAS, the total cost of the improvements to be made to Old Troy Road within the City has become more defined; and,

WHEREAS, the Constitution of the State of Illinois, 1970, Article VII. Section 10 authorizes units of local government to contract or otherwise associate among themselves in any manner not prohibited by law or ordinance; and

WHEREAS, the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., provides that any power or powers, privileges or authority exercised, or which may be exercised by a unit of local government may be exercised and enjoyed jointly with any other unit of local government; and

WHEREAS. Section 5 of the Intergovernmental Cooperation Act, 5 ILCS 220/5, provides that any one or more public agencies may contract with any one or more public agencies to perform any governmental service, activity or undertaking which any of the public agencies entering into the contract is authorized by law to perform, provided that such contract shall be authorized by the governing body of each party to the contract; and

WHEREAS, the President and the Board of Trustees of the Village, and the Mayor and the City Council of the City have determined that it is in the best interests of the public health, safety and welfare of the Village and its residents, and the City and its residents, that the parties enter into this Amended Intergovernmental Agreement to provide for additional improvements to Old Troy Road servicing both the Village and the City; and

NOW THEREFORE, IN CONSIDERATION OF THE PROMISES, THE MUTUAL ADVANTAGES TO BE DERIVED THEREFROM AND IN CONSIDERATION OF THE MUTUAL COVENANTS HEREIN CONTAINED, IT IS AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

- 1. Parties.** The parties to this Amended Agreement are municipal corporations organized and existing under the authority of the Illinois Municipal Code. 65 ILCS 5/1-1-1 et seq. as amended from time to time.

2. **Purpose.** The purpose of this Amended Agreement is to allow the Village and the City to finish the Old Troy Road improvements within their jurisdictions, in accordance with the terms set forth herein.
3. **Term of Agreement.** The term of this Amended Agreement shall be on the effective date of this Amended Agreement and in effect until the subject road improvements are completed and all costs associated therewith are paid as authorized herein.
4. **Improvement Limits.** The City is responsible to cover the cost of the improvement that is within its jurisdiction as denoted in Exhibit A. The description of the improvement is also attached in Exhibit B.
5. **Finances.** The estimated total cost of the improvement within the City, as now revised, is \$389,153.01. The City is responsible for obtaining the right of way for the Village to accomplish the improvement within the City. The City will pay for actual construction costs of its portion the total project, plus \$30,830.00 of the anticipated costs of the engineering and professional service fees.
6. **Payment Terms.** The Village will allow the City to remit their share of the total improvement construction cost to the Village estimated at \$389,153.02, plus the \$30,830.00 of the anticipated costs of the engineering and professional service fees as stated above, over a 10-year period. The annual amount due will depend on the total actual cost for the portion within the City. Attached as Exhibit C is a sample payment schedule based on the current cost estimate of the project and a 3.5% rate of interest on the outstanding balance due. Upon final completion of the construction contract a final payment schedule will be dated and attached to this Amended Agreement. The Village shall invoice the City on an annual basis. Payments shall be due July 1st of each year. The first payment shall be due on July 1st following the completion of the project. The City can pay down the balance due before final payment is due. The balance will include all remaining principal and interest.
7. **Amendments.** This is the First Amendment to the Intergovernmental Agreement executed on May 9, 2017 between the Village and the City. Attached as Exhibit D is that Intergovernmental Agreement. This Amended Agreement may only be amended in writing signed by the President of the Village and the Mayor of the City after approval by their respective corporate bodies. Any amendment shall refer back to the Intergovernmental Agreement and to this Amended Agreement and to other subsequent amendments, if any, on the same subject and shall specify the language to be added or changed.
8. **Severability.** If any part of this Agreement adjudged invalid, such adjudication shall affect the validity of the entire Agreement as whole or any other part.

9. **Notice.** Any notice required hereunder shall be deemed to be given on the date of mailing if sent by registered or by certified mail, return receipt requested, to the address or addresses of the entities following their signatures at the end of this Agreement.

10. **Miscellaneous.** Section titles are descriptive only and do not in any way limit or expand the scope of this Agreement, which is not in any way transferable by any entity hereto.

11. **Dispute Resolution.** In the event of any dispute arising out of the application, interpretation or performance of this Agreement, the affected parties agree to meet and discuss the dispute and a potential resolution at least fifteen (15) days prior to instituting any legal action, unless either party may suffer immediate and irreparable harm from the non-performance, acts or omission of the other party in which case the aggrieved party may seek equitable relief immediately. In the event the parties are unable to resolve the dispute within the fifteen (15) day period, the parties agree to engage in non-binding mediation utilizing the services of the Federal Mediation & Conciliation Service of the United States or the services of USA & M located in St. Louis, Missouri. If a party refuses to participate in mediation, the other party may (1) file an action to compel mediation, or (2) be relieved from mediation and file any appropriate action in the Circuit Court of Madison County, Illinois. Notwithstanding the foregoing, the parties agree that public safety is paramount and there shall be no interruption or termination of services until a non-appealable final judgment is entered resolving any such dispute.

In Witness Whereof the parties, pursuant to the authority granted by ordinances passed by the Village Board of the Village of Glen Carbon and the City Council for the City of Troy, have caused this Agreement to be executed by their President/Mayor and attested by their respective Clerks and their respective corporate seals affixed hereto.

City of Troy:



Attest, City Clerk

City of Troy:



Mayor

Village of Glen Carbon:



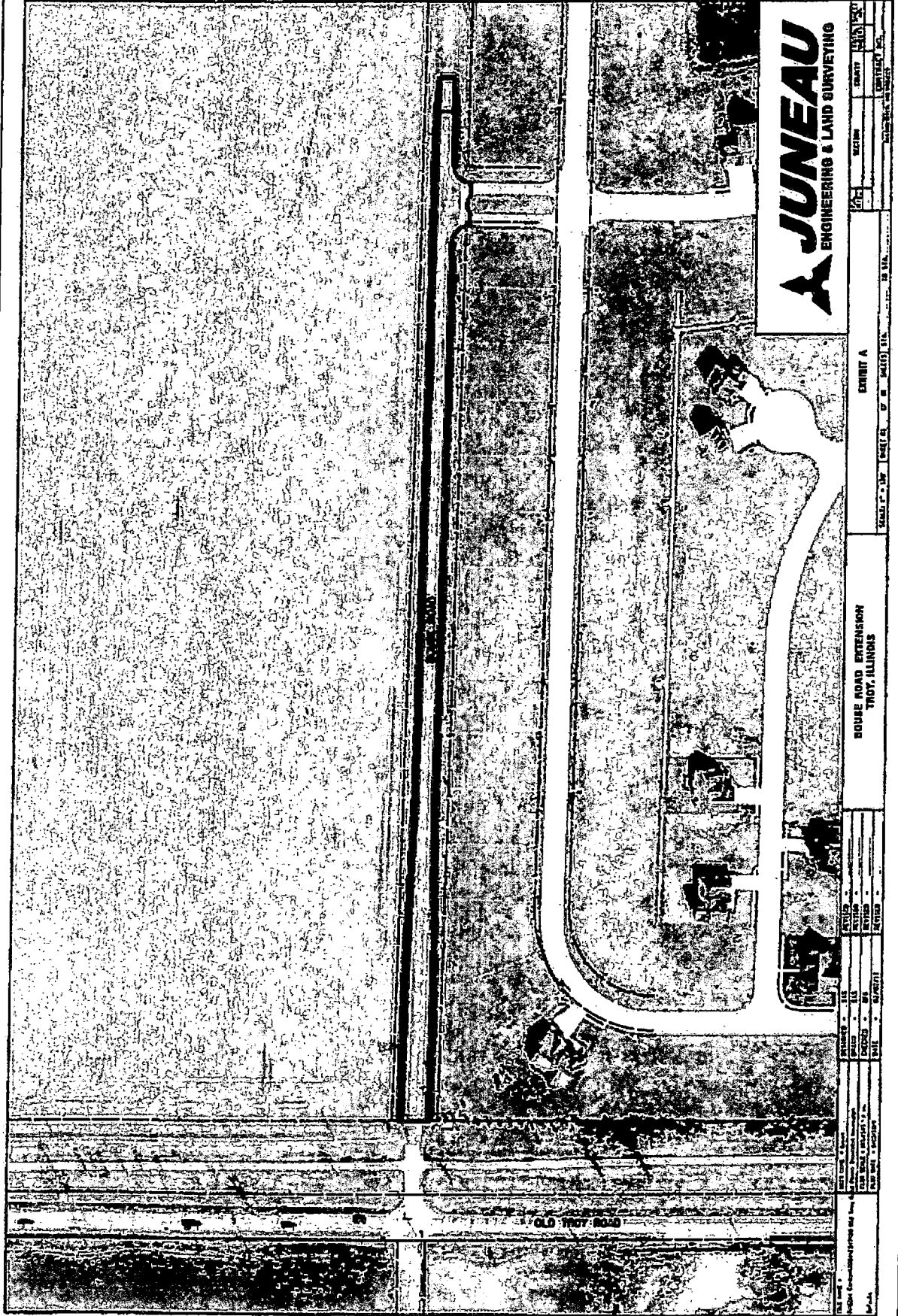
Attest, Village Clerk

Village of Glen Carbon:



President

Exhibit A



JUNEAU
ENGINEERING & LAND SURVEYING

DATE: 11/15/19	PROJECT: HOUSE ROAD EXTENSION	CLIENT: TROY, ILLINOIS	SCALE: 1" = 200'
BY: [Signature]	CHECKED: [Signature]	DATE: 11/15/19	DATE: 11/15/19
PROJECT: HOUSE ROAD EXTENSION	CLIENT: TROY, ILLINOIS	SCALE: 1" = 200'	DATE: 11/15/19
DATE: 11/15/19	PROJECT: HOUSE ROAD EXTENSION	CLIENT: TROY, ILLINOIS	SCALE: 1" = 200'

EXHIBIT B

The section of Bouse Road east of the Madison County Transit right-of-way consists of 36'-wide 8" THICK portland cement concrete pavement with 6'-wide concrete shoulders each side. This section extends easterly approximately 200 feet. From there, the pavement begins a transition from 36'-wide to 24'-wide with 6'-wide hot-mix asphalt shoulders each side. This transition length is 270 feet. This section then extends easterly approximately 990 feet to Chamberlain Drive. From there, the pavement begins a hot-mix asphalt transition from 24'-wide to match the existing width of the roadway. This transition length is 50 feet.

EXHIBIT "C"

Old Troy Road Project - City of Troy

Enter values	
Loan amount	\$ 419,983.01
Annual interest rate	3.50 %
Loan period in years	10
Number of payments per year	1
Start date of loan	7/1/2019
Optional extra payments	\$ -

Loan summary	
Scheduled payment	\$ 50,499.33
Scheduled number of payments	10
Actual number of payments	10
Total equity payments	\$ -
Total interest	\$ 85,010.31

Pmt No.	Payment Date	Beginning Balance	Scheduled Payment	Extra Payment	Total Payment	Principal	Interest	Ending Balance	Cumulative Interest
1	7/1/2020	\$ 419,983.01	\$ 50,499.33	\$ -	\$ 50,499.33	\$ 35,799.93	\$ 14,699.41	\$ 384,183.08	\$ 14,699.41
2	7/1/2021	384,183.08	50,499.33	-	50,499.33	37,052.92	13,446.41	347,130.16	28,145.81
3	7/1/2022	347,130.16	50,499.33	-	50,499.33	38,349.78	12,149.56	308,780.38	40,295.37
4	7/1/2023	308,780.38	50,499.33	-	50,499.33	39,692.02	10,807.31	269,088.37	51,102.68
5	7/1/2024	269,088.37	50,499.33	-	50,499.33	41,081.24	9,418.09	228,007.13	60,520.78
6	7/1/2025	228,007.13	50,499.33	-	50,499.33	42,519.08	7,980.25	185,488.04	68,501.02
7	7/1/2026	185,488.04	50,499.33	-	50,499.33	44,007.25	6,492.08	141,480.79	74,993.11
8	7/1/2027	141,480.79	50,499.33	-	50,499.33	45,547.50	4,951.83	95,933.29	79,944.93
9	7/1/2028	95,933.29	50,499.33	-	50,499.33	47,141.67	3,357.67	48,791.62	83,302.60
10	7/1/2029	48,791.62	50,499.33	-	48,791.62	47,083.92	1,707.71	0.00	85,010.31

5/13/2019 8:12 AM

EXHIBIT D

INTERGOVERNMENTAL AGREEMENT

This Agreement is made and entered into by and between the Village of Glen Carbon, Illinois (hereinafter "Village"), and the City of Troy, Illinois (hereinafter "City"), this 9 of May, 2017 in Madison County, Illinois.

WITNESSETH:

WHEREAS, the Constitution of the State of Illinois, 1970, Article VII, Section 10 authorizes units of local government to contract or otherwise associate among themselves in any manner not prohibited by law or ordinance; and

WHEREAS, the "Intergovernmental Cooperation Act", 5 ILCS 220/1 et seq., provides that any power or powers, privileges or authority exercised or which may be exercised by a unit of local government, may be exercised and enjoyed jointly with any other unit of local government; and

WHEREAS, Section 5 of the "Intergovernmental Cooperation Act", 5 ILCS 220/5, provides that any one or more public agencies may contract with any one or more public agencies to perform any governmental service, activity or undertaking which any of the public agencies entering into the contract are authorized by law to perform, provided that such contract shall be authorized by the governing body of each party to the contract; and

WHEREAS, the President and the Board of Trustees of the Village, and the Mayor and the City Council of the City have determined that it is in the best interests of the public health, safety and welfare of the Village and its residents, and the City and its residents, that the parties enter into this Intergovernmental Agreement to provide for improvements to Old Troy Road located in Glen Carbon, Illinois and Troy, Illinois, servicing both the Village and the City; and

NOW THEREFORE, IN CONSIDERATION OF THE PROMISES, THE MUTUAL ADVANTAGES TO BE DERIVED THEREFROM AND IN CONSIDERATION OF THE MUTUAL COVENANTS HEREIN CONTAINED, IT IS AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. **Parties.** The parties to this Agreement are municipal corporations organized and existing under the authority of the Illinois Municipal Code. 65 ILCS 5/1-1-1 et seq., as amended from time to time.
2. **Purpose.** The purpose of this Agreement is for the Village and the City to complete the Old Troy Road improvements within their jurisdictions, in accordance with the terms set forth herein.
3. **Term of Agreement.** The term of this Agreement shall be on the effective date of this Agreement and in effect until the Old Troy Road improvements are completed, and all costs associated therewith are paid as authorized herein.

4. **Improvement Limits.** The City is responsible to cover the cost of the improvement that is within its jurisdiction as denoted in Exhibit A. The description of the improvement is also attached in Exhibit B.
5. **Finances.** Attached in Exhibit C is a total cost estimate of the Old Troy Road improvements, including construction and engineering. The City is responsible for obtaining the right of way for the Village to accomplish the improvement prior to bidding. The Village will bid the project as a whole, with an estimated cost of construction and engineering at \$7,053,653.51, and if the bid comes in over 5% of this estimate, the City has the right, but not the obligation, to reject its portion of the project. The City will pay for the actual construction cost of its portion of the total project, plus \$30,830.00 of the anticipated cost of the engineering and professional service fees.
6. **Payment Terms.** The Village will allow the City to remit their share of the total improvement construction cost to the Village, as to be determined by the engineering firm designing the improvement project, plus the \$30,830.00 of the anticipated cost of the engineering and professional service fees, over a 10 year period, plus the interest as hereinafter provided. The annual amount due will depend on the total cost of City portion of the project after bidding, and the interest rate the Village will be paying for financing. Attached in Exhibit D is a sample payment schedule based on the current cost estimate of the project and a 3.5% rate of interest. Upon final execution of the construction contract and financing, a final payment schedule will be dated and attached to this Agreement and will be denoted as Exhibit E. The Village shall invoice the City on an annual basis. Payments shall be due July 1st of each year. The first payment shall be due on the July 1st following the completion of the project. The City can pay down the balance before final payment is due without penalty. The balance will include all remaining principal and interest.
7. **Amendments.** This Agreement may only be amended in writing signed by the President of the Village and the Mayor of the City after approval by their respective corporate bodies. Any amendment shall refer back to this Agreement and to other amendments, if any, on the same subject and shall specify the language to be added or changed.
8. **Severability.** If any part of this Agreement is adjudged invalid, such adjudication shall not affect the validity of the entire Agreement as a whole, or any other part.
9. **Notice.** Any notice required hereunder shall be deemed to be given on the date of mailing if sent by certified mail, return receipt requested, to the address or addresses of the entities following their signatures at the end of this Agreement.

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City of Troy:


Attest, Village Clerk

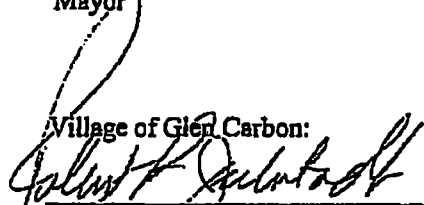
City of Troy:


Mayor

Village of Glen Carbon:


Attest, Village Clerk

Village of Glen Carbon:


President

04/26/2017 11:01 AM

EXHIBIT A

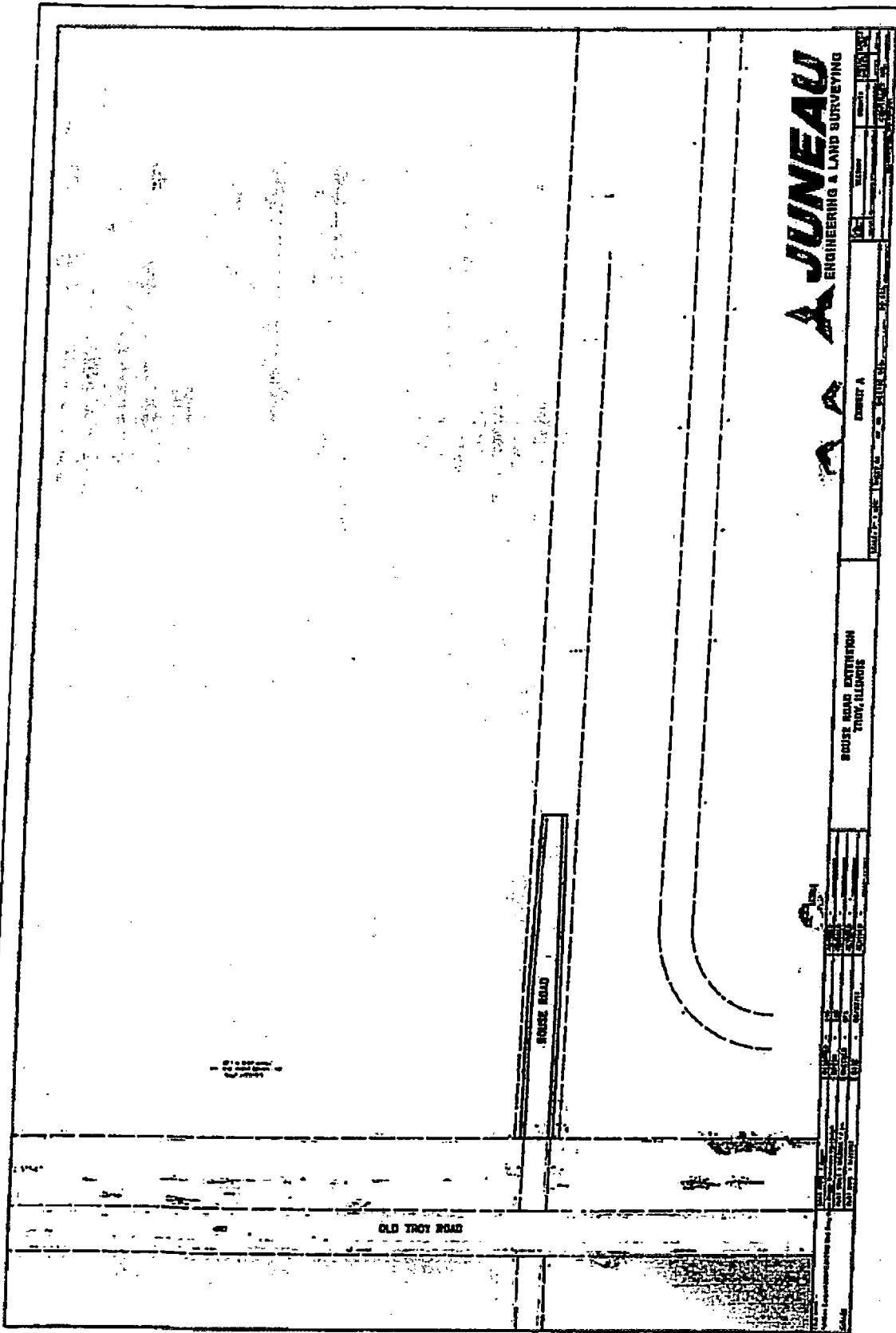


EXHIBIT B

The section of Bouse Road east of the Madison County Transit right-of-way consists of 36'-wide 8" THICK portland cement concrete pavement with 6'-wide hot-mix asphalt shoulders each side. This section extends easterly approximately 200 feet. From there, the pavement begins a transition from 36'-wide to 24'-wide with 6'-wide hot-mix asphalt shoulders each side. This transition length is 270 feet.

EXHIBIT C

Overall Estimate of Construction Cost for
Old Troy Road Improvements
11,800 Lin. Ft.

	<u>Item Description</u>	<u>Unit</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Amount</u>
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	12	\$35.00	\$420.00
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	46	\$35.00	\$1,610.00
3	TREE REMOVAL, ACRES	ACRE	0.2	\$5,000.00	\$1,000.00
4	EARTH EXCAVATION	CU YD	21551	\$12.00	\$258,612.00
5	FURNISHED EXCAVATION	CU YD	3280	\$20.00	\$65,600.00
6	TRENCH BACKFILL	CU YD	475	\$30.00	\$14,250.00
7	SEEDING, CLASS 1	ACRE	10.6	\$2,000.00	\$21,200.00
8	NITROGEN FERTILIZER NUTRIENT	POUND	954	\$3.00	\$2,862.00
9	POTASSIUM FERTILIZER NUTRIENT	POUND	954	\$3.00	\$2,862.00
10	PHOSPHORUS FERTILIZER NUTRIENT	POUND	954	\$3.00	\$2,862.00
11	MULCH, METHOD 2	ACRE	10.6	\$2,000.00	\$21,200.00
12	TEMPORARY EROSION CONTROL SEEDING	POUND	1060	\$15.00	\$15,900.00
13	TEMPORARY DITCH CHECKS	FOOT	1370	\$12.50	\$17,125.00
14	PERIMETER EROSION BARRIER	FOOT	1924	\$4.00	\$7,696.00
15	INLET AND PIPE PROTECTION	EACH	26	\$150.00	\$3,900.00
16	STONE DUMPED RIPRAP, CLASS A4	SQ YD	211	\$45.00	\$9,495.00
17	STONE DUMPED RIPRAP, CLASS A5	SQ YD	587	\$55.00	\$32,285.00
18	FILTER FABRIC	SQ YD	798	\$3.00	\$2,394.00
19	PROCESSING MODIFIED SOIL 12"	SQ YD	44148	\$3.75	\$165,555.00
20	LIME	TON	1093	\$75.00	\$81,975.00
21	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	43330	\$6.75	\$292,477.50
22	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	790	\$13.00	\$10,270.00
23	AGGREGATE FOR TEMPORARY ACCESS	TON	150	\$30.00	\$4,500.00
24	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3188	\$1.00	\$3,188.00
25	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	327	\$90.00	\$29,430.00
26	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	189	\$90.00	\$17,010.00
27	BITUMINOUS MATERIALS (TACK COAT)	POUND	7254	\$1.00	\$7,254.00
28	WELDED WIRE REINFORCEMENT	SQ YD	38782	\$10.00	\$387,820.00
29	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	38782	\$48.00	\$1,861,536.00
30	PROTECTIVE COAT	SQ YD	39523	\$1.00	\$39,523.00
31	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	532	\$45.00	\$23,940.00
32	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	176	\$50.00	\$8,800.00
33	PAVEMENT REMOVAL	SQ YD	27838	\$9.00	\$250,542.00
34	DRIVEWAY PAVEMENT REMOVAL	SQ YD	387	\$12.00	\$4,644.00
35	CURB REMOVAL	FOOT	13	\$10.00	\$130.00
36	PAVED SHOULDER REMOVAL	SQ YD	1022	\$9.00	\$9,198.00

OTR3 Cost Estimate Constr Costs.xlsx

Overall Estimate of Construction Cost for
Old Troy Road Improvements
11,800 Lin. Ft.

	<u>Item Description</u>	<u>Unit</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Amount</u>
37	SAWCUTS	FOOT	188	\$10.00	\$1,880.00
38	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	93	\$8.00	\$744.00
39	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	15167	\$60.00	\$910,020.00
40	PIPE CULVERT REMOVAL	FOOT	1008	\$18.00	\$18,144.00
41	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	\$10,000.00	\$20,000.00
42	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2	\$3,500.00	\$7,000.00
43	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2	\$1,200.00	\$2,400.00
44	PRECAST CONCRETE BOX CULVERTS 3'X2'	FOOT	72	\$200.00	\$14,400.00
45	PRECAST CONCRETE BOX CULVERTS 5'X2'	FOOT	61	\$250.00	\$15,250.00
46	PRECAST CONCRETE BOX CULVERTS 10'X4'	FOOT	108	\$500.00	\$54,000.00
47	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	346	\$42.00	\$14,532.00
48	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	24	\$45.00	\$1,080.00
49	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	113	\$48.00	\$5,424.00
50	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	160	\$60.00	\$9,600.00
51	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	229	\$50.00	\$11,450.00
52	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	124	\$55.00	\$6,820.00
53	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	71	\$65.00	\$4,615.00
54	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	\$450.00	\$450.00
55	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	16	\$550.00	\$8,800.00
56	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	\$600.00	\$1,200.00
57	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	\$750.00	\$3,000.00
58	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	4	\$900.00	\$3,600.00
59	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	14	\$650.00	\$9,100.00
60	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	4	\$800.00	\$3,200.00
61	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2	\$700.00	\$1,400.00
62	CONCRETE COLLAR	CU YD	6.4	\$100.00	\$640.00
63	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	52	\$225.00	\$11,700.00
64	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	633	\$40.00	\$25,320.00
65	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	18560	\$25.00	\$464,000.00

OTR3 Cost Estimate Constr Costs.xlsx

Overall Estimate of Construction Cost for
Old Troy Road Improvements
11,800 Lin. Ft.

	<u>Item Description</u>	<u>Unit</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Amount</u>
97	REMOVE EXISTING RIPRAP	SQ YD	42	\$20.00	\$840.00
98	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	18149	\$1.00	\$18,149.00
99	BOX CULVERT REMOVAL	FOOT	122	\$40.00	\$4,880.00
100	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	\$70,000.00	\$70,000.00
101	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	1872	\$4.00	\$7,488.00
102	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	49086	\$1.00	\$49,086.00
103	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	810	\$2.00	\$1,620.00
104	SUBTOTAL				\$5,997,765.25
105	CONTINGENCY @ 5%				\$299,888.26
106	CONSTRUCTION ENGINEERING				\$756,000.00
107	TOTAL ESTIMATED CONSTRUCTION COST				\$7,053,653.51
	CITY OF TROY	Construction			\$256,831.31
		Engineering			\$30,819.76
					\$287,651.07
	COLLINSVILLE TOWNSHIP	Construction			\$535,343.71
		Engineering			\$64,241.24
					\$599,584.95
	VILLAGE OF GLEN CARBON PORTION	Construction			\$5,505,478.49
		Engineering			\$660,939.00
					\$6,166,417.49

Old Troy Road Project - City of Troy EXHIBIT D

Enter values	
Loan amount:	\$ 287,651.07
Annual interest rate:	3.50%
Loan period in years:	10
Number of payments per year:	1
Start date of loan:	07/01/2017
Optional extra payments:	\$

Loan summary	
Scheduled payment:	\$ 34,587.56
Scheduled number of payments:	10
Actual number of payments:	10
Total early payments:	\$
Total interest:	\$ 58,224.51

Pmt No.	Payment Date	Beginning Balance	Scheduled Payment	Extra Payment	Total Payment	Principal	Interest	Ending Balance	Cumulative Interest
1	07/01/2018	\$ 287,651.07	\$ 34,587.56	\$	\$ 34,587.56	\$ 24,519.77	\$ 10,067.79	\$ 263,131.30	\$ 10,067.79
2	07/01/2019	263,131.30	34,587.56	-	34,587.56	25,377.96	9,209.60	237,753.34	19,277.38
3	07/01/2020	237,753.34	34,587.56	-	34,587.56	26,266.19	8,321.37	211,487.15	27,598.75
4	07/01/2021	211,487.15	34,587.56	-	34,587.56	27,185.51	7,402.05	184,301.64	35,000.80
5	07/01/2022	184,301.64	34,587.56	-	34,587.56	28,137.00	6,460.56	156,164.64	41,451.36
6	07/01/2023	156,164.64	34,587.56	-	34,587.56	29,121.80	5,465.76	127,042.84	46,917.12
7	07/01/2024	127,042.84	34,587.56	-	34,587.56	30,141.06	4,446.50	98,901.78	51,363.62
8	07/01/2025	98,901.78	34,587.56	-	34,587.56	31,196.00	3,391.56	65,705.79	54,755.18
9	07/01/2026	65,705.79	34,587.56	-	34,587.56	32,267.66	2,299.70	33,417.93	57,054.00
10	07/01/2027	33,417.93	34,587.56	-	33,417.93	32,240.30	1,169.63	0.00	58,224.51

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Additional Costs - Concrete Shoulders in lieu of HMA

Bid Description	Troy Original			Troy Addendum			Troy Total		
	Units	Unit	Total	QTY	Total	QTY	Total	QTY	Total
Concrete Shoulders Vs HMA	SY	-\$2.60	-\$1,627.60	626	-	1297	-\$3,372.20	1923	-\$4,999.80
Add Lime Mod Under Shoulders	SY	\$3.17	\$1,984.42	626	-	1297	\$4,111.49	1923	\$6,095.91
Add Subbase TA Under Shoulders	SY	\$3.50	\$2,191.00	626	-	1297	\$4,539.50	1923	\$6,730.50
LIME	Load	\$4,600.00	\$151.30	0.03289	-	0.0681484	\$313.48	0.101040441	\$464.79
Engineer's Estimate									
As Bid Total Share									
			\$256,831.31				\$389,678.90		\$646,510.21
Anticipated Additional Costs									
			\$133,988.55				\$246,873.07		\$380,861.62
			\$2,699.12				\$5,592.27		\$8,291.39
			\$136,687.67				\$252,465.34		\$389,153.01

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