F13

City of Hiawatha

Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: **Mayor and City Council** **Date:** **April 27, 2017**

From: John C Bender PE, City Engineer

Re: **Linn County 28e Agreement**

Description: **Edgewood Road Culvert and Grading Project Phase I**

Report:

We have been working with Linn County to participate in a grading and culvert reconstruction project they have planned for this summer. They are bidding a project to replace several culverts on the section of Edgewood Road north of Tower Terrace Road along with grading the roadway surface to prepare for the pavement white-topping project in the summer of 2018. This section of Edgewood Road (formerly Loggerhead Road) is approximately 1.8 miles in length and is partly in Hiawatha and partly in Linn County. If you have driven this section of road you know it is very rough with many potholes and patches. This is the first phase of a project to provide a future 30 foot wide paved surface from Hiawatha city limits to County Home Road. A map showing the area is enclosed along with pictures of the road surface. Also enclosed are photos of a recent paving project conducted by Linn County.

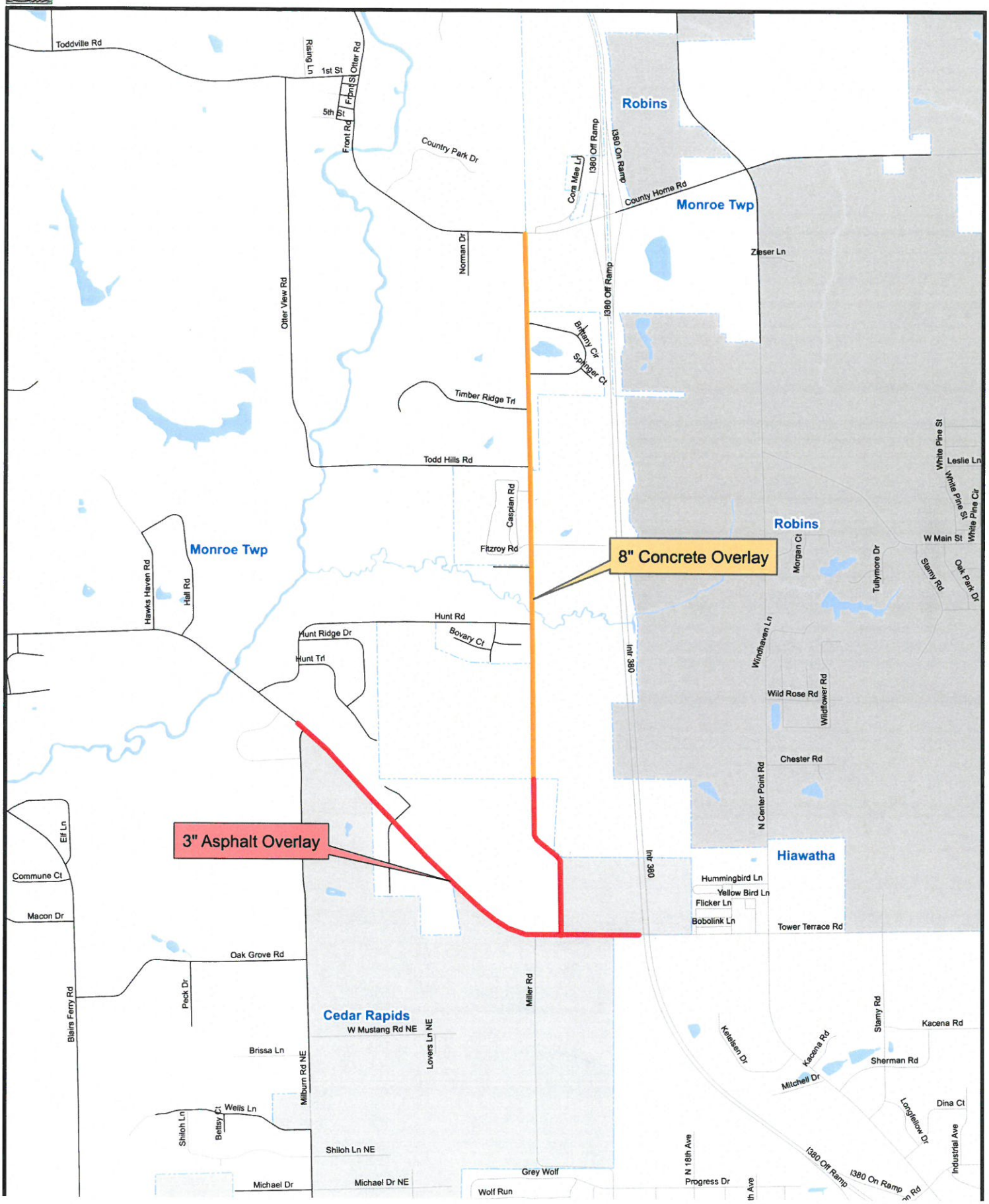
We discussed with the Council the original project cost for the Hiawatha share was projected at approximately $150,000. But after surveys and preliminary design, it was decided to replace all the culverts and grade 3 of the crest hills to provide a better vertical alignment for the future paved surface. This increased the projected cost to approximately $350,000. We have made adjustments to the GO bond process to cover the additional coast. We think this is a great way to participate and have this roadway improved with Linn County acting as the contracting agency and sharing in the cost.

Engineering recommends approval of the 28e agreement with Linn County. We have attached the latest projected cost that is still being reviewed and should be finalized by the Wednesday meeting.

If you have any questions please feel free to contact me.

Edgewood Road/Tower Terrace Road

Linn County, Iowa



LETTING DATE: MARCH 28, 2017

PROJECT NO.: L-EDGEWOOD RD(17)
GRADING AND CULVERTS

LINN COUNTY, IOWA

TRAFFIC CONTROL PLAN

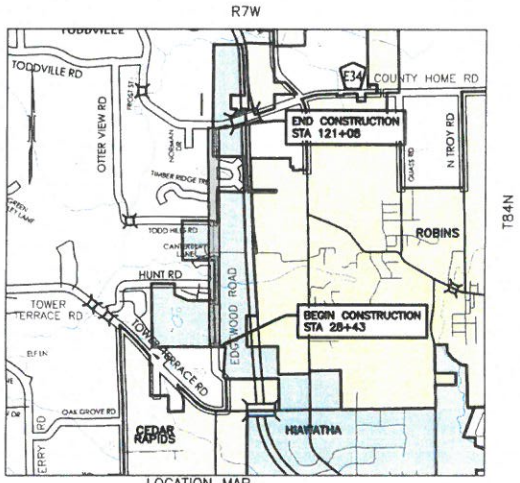
EDGEWOOD ROAD SHALL BE CLOSED TO THROUGH TRAFFIC DURING CULVERT REPLACEMENTS AT CULVERT REPLACEMENT LOCATIONS ONLY (#1984704, #2287, #1643). THE CONTRACTOR SHALL ALSO CLOSE SIDE ROADS TO THROUGH TRAFFIC DURING CULVERT REPLACEMENTS ONLY (#1984703, #1984701, #1884704). THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ADVANCED WARNING SIGNS, ROAD CLOSED SIGNS MOUNTED ON TYPE III BARRICADES, ROAD CLOSED TO THROUGH TRAFFIC ON TYPE III BARRICADES, AND SAFETY FENCE AT SAFETY CLOSURE LOCATIONS.

EDGEWOOD ROAD SHALL REMAIN OPEN TO THROUGH TRAFFIC WHEN CULVERT REPLACEMENTS ARE NOT IN PROGRESS. DURING GRADING WORK AND CULVERT WORK OUTSIDE THE TRAVELED WAY THE CONTRACTOR MAY REDUCE TRAFFIC TO ONE LANE DURING DAYLIGHT HOURS BY USE OF FLAGGERS. THE CONTRACTOR SHALL MAINTAIN LOCAL ACCESS TO ADJACENT PROPERTIES AS PROVIDED IN ARTICLE 1107.08 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL ON THIS PROJECT.

TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, SIGNING, AND PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AS ADOPTED BY THE DEPARTMENT PER 761 OF THE IOWA ADMINISTRATIVE CODE (IAC) CHAPTER 130".

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES): 29974-29712

This project is covered by the Iowa Department of Natural Resources NPDES General Permit No. 2. The Contractor shall carry out the terms and conditions of General Permit No. 2 and the storm water pollution prevention plan which is a part of these contract documents. Refer to Section 2602 of the Iowa DOT Standard Specifications for additional information.



LOCATION MAP
SCALE: NOT TO SCALE

IOWADOT

PLANS FOR PROPOSED IMPROVEMENT ON THE

SECONDARY ROAD SYSTEM
LINN COUNTY, IOWA
GRADING AND CULVERTS
PROJECT NUMBER
L-EDGEWOOD RD(17)

GRADING AND CULVERT WORK ON EDGEWOOD ROAD FROM A POINT 2,800' NORTH OF TOWER TERRACE ROAD TO COUNTY HOME ROAD (E34)

THE IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, OCTOBER 18, 2016, PLUS THE GENERAL SUPPLEMENTAL SPECIFICATIONS AND APPLICABLE SUPPLEMENTAL SPECIFICATIONS, DEVELOPMENTAL SPECIFICATIONS, AND SPECIAL PROVISIONS, SHALL APPLY TO THE CONSTRUCTION ON THIS PROJECT.

03-18-16 101-7

DESIGN DATA
EDGEWOOD ROAD

2013	AADT	700	V.P.D.
2040	AADT	1195	V.P.D.
DESIGN SPEED		55	MPH

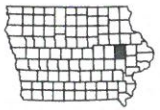
MILEAGE SUMMARY 105-1 09-27-94

DIV.	LOCATION	LINEAL FEET	MILES
2	STA 28+43 to STA 48+14	1971	0.373
3	STA 48+14 to STA 64+80	1666	0.316
2	STA 64+80 to STA 81+52	1672	0.317
3	STA 81+52 to STA 93+90	1238	0.234
1	STA 93+90 to STA 108+00	1410	0.267
3	STA 108+00 to STA 121+08	1308	0.248
	TOTAL	9265	1.755

DIV. 1 LINN COUNTY SECONDARY ROAD DEPARTMENT (100%)
DIV. 2 CITY OF HIAWATHA (100%)
DIV. 3 LINN COUNTY SECONDARY ROAD DEPARTMENT/CITY OF HIAWATHA (50%/50%)

INDEX OF SHEETS 105-3 10-18-05

NO.	DESCRIPTION
A.01	TITLE SHEET
A.02	SITE MAP
B.01	TYPICAL CROSS SECTIONS
C.01-C.03	QUANTITIES AND GENERAL INFORMATION
C.04	TABULATIONS AND DETAILS
C.05-C.06	STORM WATER POLLUTION PREVENTION PLAN
D.01-D.04	MAINLINE PLAN AND PROFILE
M.01	CULVERT GRADING DETAILS
M.02	CULVERT DETAILS
W.01-W.12	MAINLINE CROSS SECTIONS
	TOTAL: 27 SHEETS



CONTACT INFORMATION
LINN COUNTY ENGINEERS OFFICE
1888 COUNTY HOME ROAD
MARION, IOWA 52302
PHONE: (319)-892-6400
FAX: (319)-892-6419

IOWA ONE CALL 800 / 292-8989 TOLL FREE CALL - BEFORE - YOU - DIG

OFFICE OF THE
LINN COUNTY ENGINEER

COUNTY ENGINEER DATE

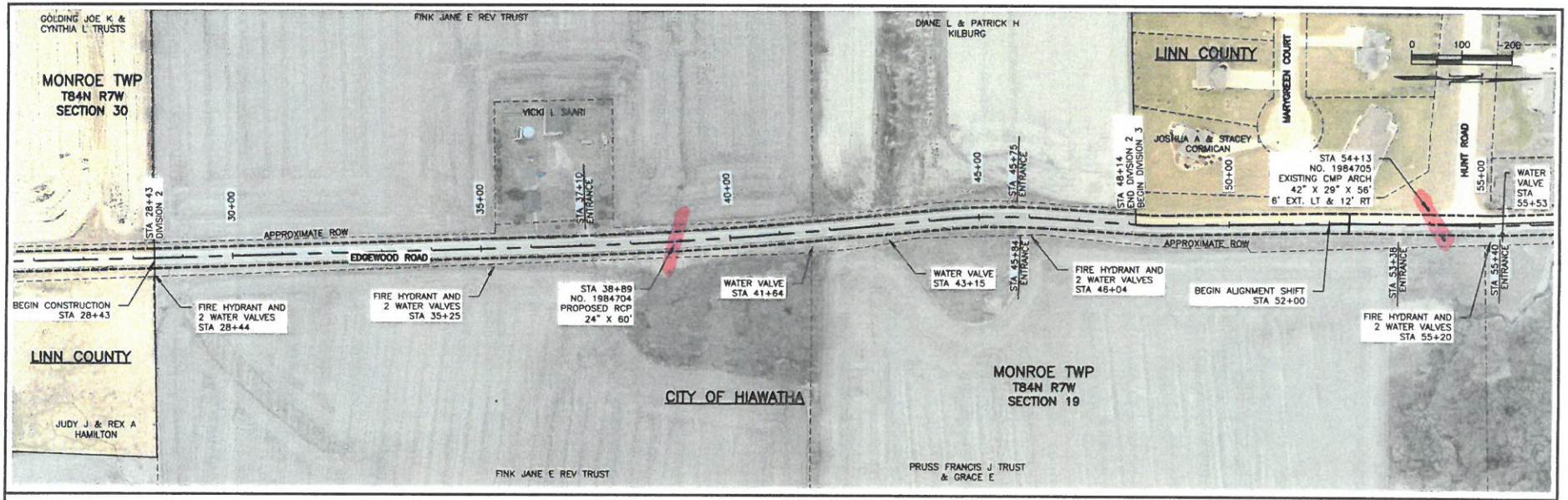
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

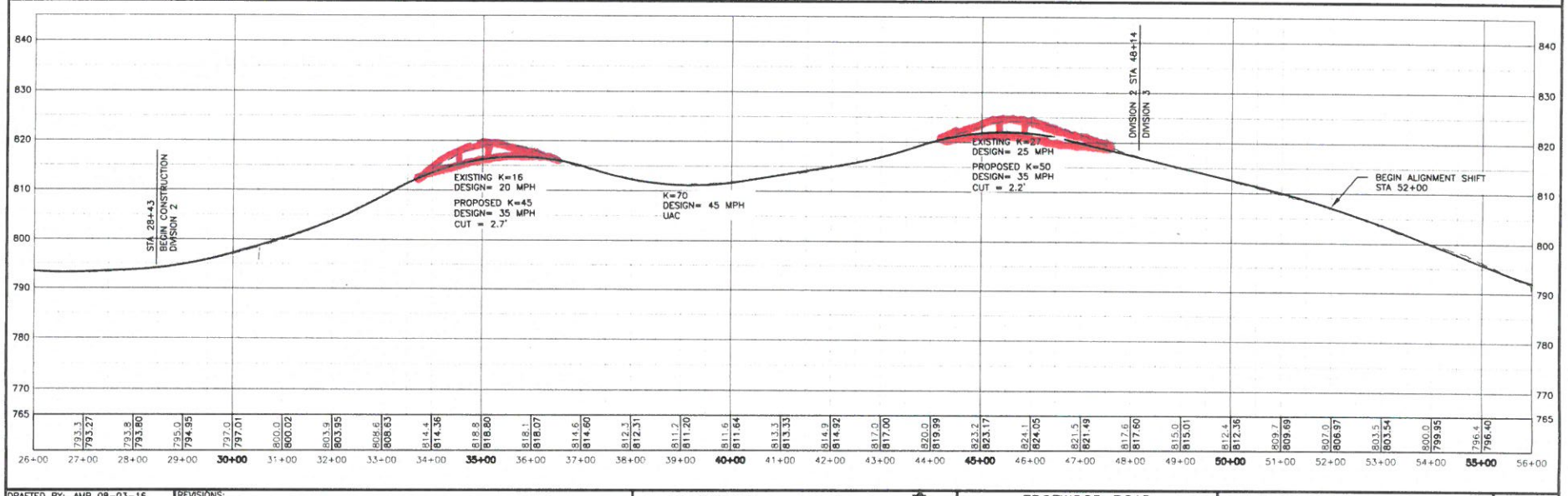
Brodie J. Keller P.E. 16706 DATE

My License Renewal Date is Dec. 31, 2016
Pages or sheets covered by this seal:
(Entire submission unless specified here)

PRELIMINARY PLANS

SHEET A.01





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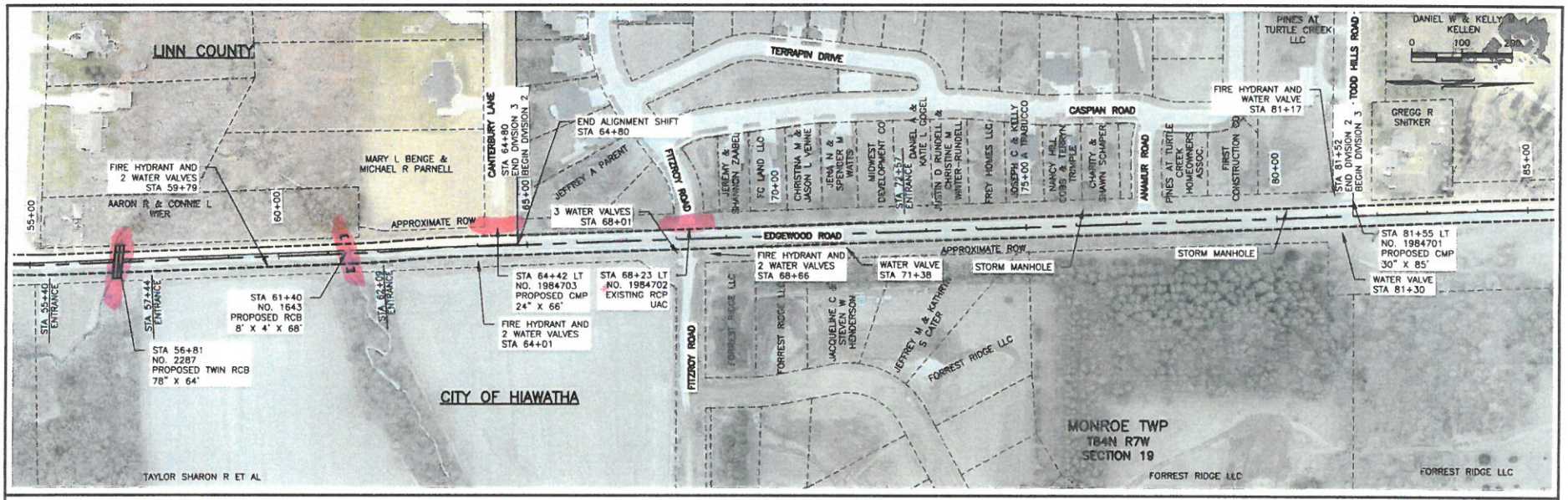

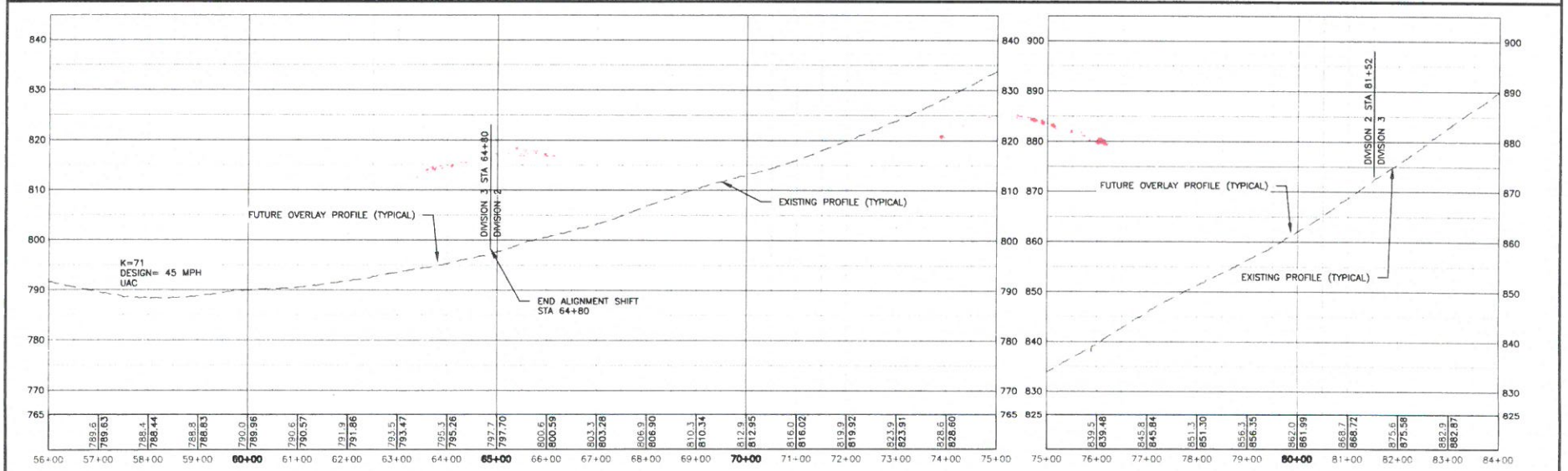

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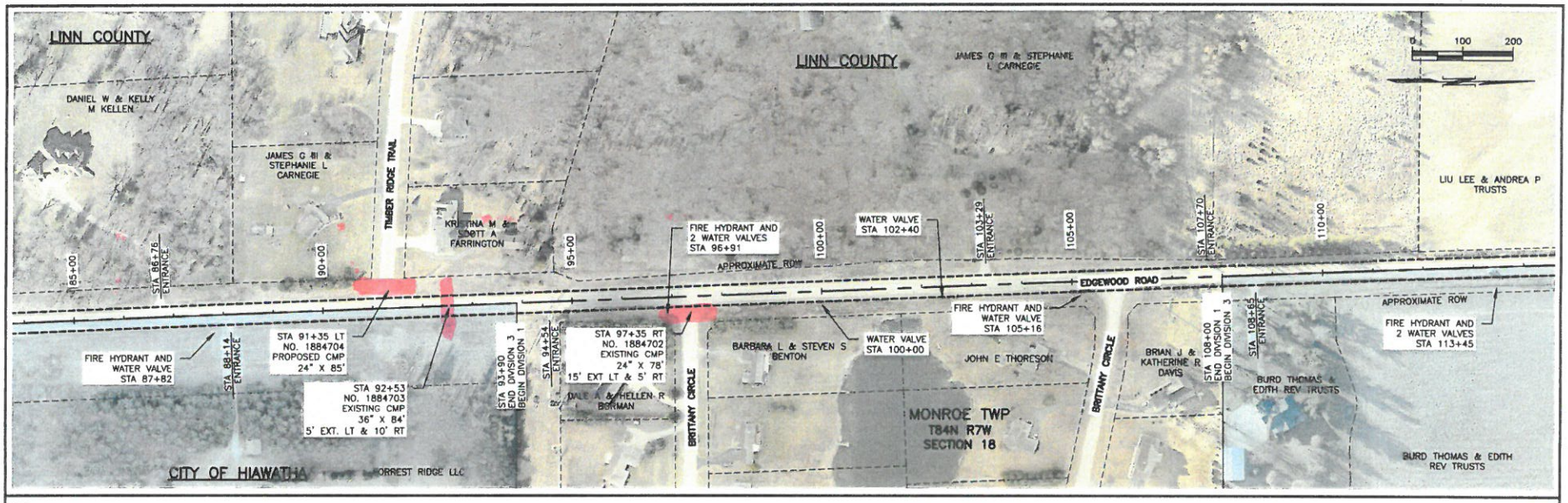

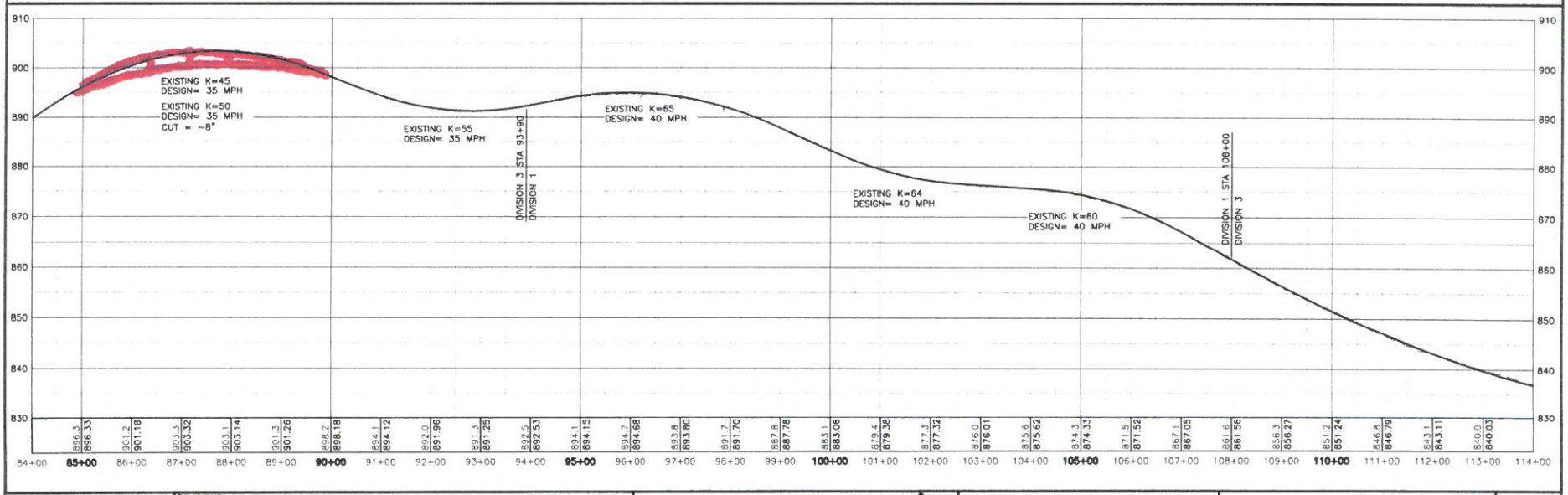

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GOMACO
GP 2600

Linn County Secondary Road Department

Engineer's Project Estimate

Project No.: L-EDGEWOOD RD(17)

Type of work: Grading and Culverts

Location: On Edgewood Road from Tower Terrace Road north to County Home Road

Miles: 1.8

Letting Date: to be determined

Date: April 7, 2017

REF.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY DIV 1	DIV 2	DIV 3	TOTAL	UNIT PRICE	AMOUNT
1	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW	CY	1925.000	5448.000	4627.000	12,000.000	$10.00	$ 120,000.00
2	2104-2710020	EXCAVATION, CL 10, CHANNEL	CY	0.000	0.000	200.000	200.000	$7.75	$ 1,550.00
3	2105-8425015	TOPSOIL, STRIP, SALVAGE+SPREAD	CY	347.000	1197.000	900.000	2,444.000	$5.00	$ 12,220.00
4	2121-7425020	GRANULAR SHLD, TYPE B	TON	372.000	742.000	964.000	2,078.000	$14.00	$ 29,092.00
5	2210-0475105	CHOKE STONE BASE	TON	0.000	1219.000	1093.000	2,312.000	$15.00	$ 34,680.00
6	2210-0475290	MACADAM STONE BASE	TON	15.000	1157.000	1128.000	2,300.000	$15.00	$ 34,500.00
7	2401-6745650	RMVL OF EXIST STRUCT	LS	0.000	0.000	1.000	1.000	$5,000.00	$ 5,000.00
8	2402-0425031	GRANULAR BACKFILL	TON	110.000	250.000	1153.000	1,513.000	$14.00	$ 21,182.00
9	2402-2720100	EXCAVATION, CL 20, RDWY PIPE CULV	CY	65.000	218.000	937.000	1,220.000	$5.00	$ 6,100.00
10	2403-0100000	STRUCT CONC (MISCELLANEOUS)	CY	0.000	0.000	16.200	16.200	$450.00	$ 7,290.00
11	2404-7775005	REINFORC STEEL, EPOXY COATED	LB	0.000	0.000	1161.000	1,161.000	$1.00	$ 1,161.00
12	2414-6425420	CONC BARRIER, PARAPET	LF	0.000	0.000	60.000	60.000	$1.00	$ 60.00
13	2415-2110806	PRECAST CONC BOX CULV, 8'X6'	LF	0.000	0.000	132.000	132.000	$520.00	$ 68,640.00
14	2415-2111004	PRECAST CONC BOX CULV, 10'X4'	LF	0.000	0.000	66.000	66.000	$700.00	$ 46,200.00
15	2416-1180024	CULV, CONC RDWY PIPE, 24"	LF	0.000	60.000	0.000	60.000	$60.00	$ 3,600.00
16	2416-1200236	CULV,LOW CLEAR CONC RDWY PIPE,EQ DIA 36"	LF	0.000	0.000	12.000	12.000	$120.00	$ 1,440.00
17	2416-1541036	RMV+REINSTALL RIGID PIPE CULV LE 36"	LF	0.000	0.000	145.000	145.000	$70.00	$ 10,150.00
18	2417-1060024	CULV, CMP RDWY, 24"	LF	20.000	0.000	96.000	116.000	$43.00	$ 4,988.00
19	2417-1060030	CULV, CMP RDWY, 30"	LF	0.000	0.000	15.000	15.000	$65.00	$ 975.00
20	2417-1060036	CULV, CMP RDWY, 36"	LF	0.000	0.000	15.000	15.000	$80.00	$ 1,200.00
21	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	0.000	2.000	0.000	2.000	$500.00	$ 1,000.00
22	2507-6800061	REVETMENT, CLASS E	TON	0.000	0.000	160.000	160.000	$30.00	$ 4,800.00
23	2518-6910000	SAFETY CLOSURE	EACH	2.000	2.000	3.000	7.000	$35.00	$ 245.00
24	2528-8445110	TRAFFIC CONTROL	LS	0.150	0.400	0.450	1.000	$5,000.00	$ 5,000.00
25	2528-8445113	FLAGGER	EACH	6.000	16.000	18.000	40.000	$450.00	$ 18,000.00
26	2533-4980005	MOBILIZATION	LS	0.150	0.400	0.450	1.000	$20,000.00	$ 20,000.00
27	2554-0212020	VALVE BOX EXTENSION	EACH	0.000	5.000	0.000	5.000	$200.00	$ 1,000.00
28	2554-0212030	VALVE BOX REPLACEMENT	EACH	0.000	16.000	0.000	16.000	$1,000.00	$ 16,000.00
29	2554-0214000	FIRE HYDRANT ADJUSTMENT	EACH	0.000	3.000	0.000	3.000	$200.00	$ 600.00
30	2599-9999005	FIRE HYDRANT RELOCATION	EACH	0.000	3.000	0.000	3.000	$1,500.00	$ 4,500.00
31	2601-2634100	MULCH	ACRE	0.640	2.230	1.670	4.540	$1,200.00	$ 5,448.00
32	2601-2636044	SEED+FERTILIZE (URBAN)	ACRE	0.640	2.230	1.670	4.540	$1,200.00	$ 5,448.00
33	2602-0000309	PERIMETER+SLOPE SEDIMENT CNTL DEVICE, 9"	LF	1050.000	1425.000	3600.000	6,075.000	$4.00	$ 24,300.00
34	2602-0010010	MOBILIZATION, EROSION CONTROL	EACH	2.000	4.000	4.000	10.000	$500.00	$ 5,000.00
35		SEAL COAT - BY COUNTY	SY	170.00	3687.000	3830.000	7,687.000	$3.00	$ 23,061.00
									$ 544,430.00

DIV 1 = Linn County Secondary Road Department (100%)

DIV 2 = City of Hiawatha (100%)

DIV 3 = Linn County Secondary Road Department (50%) & City of Hiawatha (50%)

Linn County Estimate (Div 1 + 1/2 Div 3):	**$ 204,086.50**
Hiawatha Estimate (Div 2 + 1/2 Div 3):	$ 340,343.50
Linn County Survey, Design, Inspection, and Adminitstration (7.5%):	$ 25,525.76
	$ 365,869.26

Prepared By: Linn County Secondary Road Dept., 1888 County Home Rd, Marion, IA 52302, (319)892-6400
Return To: Linn County Auditor, 935 2nd Street SE, Cedar Rapids, IA 52404, (319)892-5300

COUNTY AND CITY PROJECT AGREEMENT

This agreement entered into this _____ day of _____, by and between Linn County, Iowa, hereinafter referred to as County, and the City of Hiawatha, hereinafter referred to as City.

WHEREAS, both the County and the City are a public agency as is defined by Section 28E.2 of the Code of Iowa, and

WHEREAS, Section 28E.3 of the Code of Iowa provides that any power or powers, privileges or authority exercised or capable of exercise by a public agency of the State of Iowa may be exercised and enjoyed jointly by a public agency of the State of Iowa having such power or powers, and

WHEREAS, it is proposed, that the County plan, design and let for bidding a construction project to grade for future paving on shared portions of Edgewood Road and

WHEREAS, the City Council and the County Board of Supervisors have informed themselves as to the proposed improvement.

IT IS NOW AGREED that the City of Hiawatha and Linn County enter into an agreement pursuant to Chapter 28E of the Code of Iowa providing for cooperative action pursuant to the proposed roadway construction project and, said cooperative actions include the following:

1) SCOPE OF WORK - Design, let and construct improvements to Edgewood Road per plans and specifications produced by the Linn County Engineer. Work is to include grading, culvert extensions and replacements, granular shoulders, utility adjustments, staking, inspection, seal coating, and other items to complete the project.

2) DURATION - This Agreement shall commence on the date that both parties sign this agreement and shall continue thereafter until the final completion of the project and settlement of the financial conditions of this agreement.

3) PURPOSE - The purpose of this Agreement is to accomplish the proposed project as described per approved plans in agreement with conditions specified in this Agreement.

4) ADMINISTRATION - The County shall be responsible for the administration of this project.

5) The City and County agree to save and indemnify and keep harmless, each other against all liabilities, judgments, costs, and expenses which may in any way come against the County or City or which in any way result from carelessness or neglect of either party or its agents, employees, or workmen in any respect whatsoever.

6) The City and County agree to indemnify and hold each other, their employees and agents, wholly harmless from any damages, claims, demands, or suits by any person or persons arising out of any acts or omissions by the City or County, its agents, servants or employees in the course of any work done in connection with any of the matters set forth in this agreement.

7) FINANCING - The County shall initially finance the cost of the project. The City shall reimburse the County for the actual cost of construction plus 7.5% administration fees (design, inspection, plan preparation, etc.) based on proposed plans and attached project estimate for the portion of the project within their corporate limits as they exist at the time the project is complete. Payment shall be made within 30 days of receipt of detailed invoice.

8) TERMINATION: -
   a) This Agreement shall be considered binding upon the City and the County and shall not be terminated until provisions of paragraph 8b are met after actual work has begun on the project.
   b) This agreement will be terminated upon final acceptance of the work by the City and final settlement of the financial conditions set forth in paragraph 7 thereof.

Executed in triplicate, each of which shall constitute as original, by Linn County on the _____day of _ _____, _____, and by the City of Cedar Rapids on the _____ day of _____, ___ .

BOARD OF SUPERVISORS
LINN COUNTY, IOWA

_____

_____

_____

_____

_____

ATTEST:

_____
LINN COUNTY AUDITOR

CITY OF HIAWATHA

_____

_____

_____

ATTEST:

_____
HIAWATHA CITY CLERK

DRAFT

RESOLUTION NO. 17-
City Council

RESOLUTION APPROVING A 28E AGREEMENT BETWEEN THE CITY OF HIAWATHA AND LINN COUNTY FOR THE EDGEWOOD ROAD CULVERT AND GRADING PROJECT PHASE I FROM TOWER TERRACE ROAD NORTH TO COUNTY HOME ROAD

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, that the Mayor and City Clerk are hereby authorized to sign a 28E Agreement between the City of Hiawatha and Linn County and file said 28E Agreement with the Secretary of State for the following purpose and under the following terms:

Edgewood Road Culvert and Grading Project Phase I from Tower Terrace Road north to County Home Road with terms as outlined in the attached Exhibit 'A,' and a total cost estimate including construction, administration, design and inspection services in the amount of $365,869.26, with Hiawatha's share of the total cost in an amount not to exceed $400,000.00.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 3rd day of May, 2017.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk