F5

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:** **February 14, 2018**

From: John C Bender PE, City Engineer

Re: **Linn County 28e Agreement Phase II**

Description: **Edgewood Road PCC Whitetopping Project Phase II**

Report:

We have been working with Linn County to participate in an Edgewood Road reconstruction project. They have completed 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.

The second phase of a project is to provide a 32 foot wide paved surface from Hiawatha city limits to County Home Road. This will provide an excellent roadway surface with a paved area on the edge for walkers and bikers. We have reviewed the preliminary plans and are ready for the bidding process, planned for March 6th 2018. The construction schedule is 45 working days with an incentive to complete the project earlier. Linn County is acting as the designer and contracting agency and is sharing in the cost.

Attached is a 28e agreement to proceed with the project similar to the agreement we approved for the Phase I project for grading and culverts. Engineering recommends approval of the 28e agreement with Linn County. We have attached the latest projected cost estimate that will be adjusted after the bidding process.

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

LETTING DATE: MARCH 06, 2018

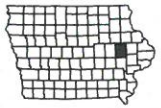
PROJECT NO.: L-EDGEWOOD RD(19)
PCC WHITETOPPING

LINN COUNTY, IOWA

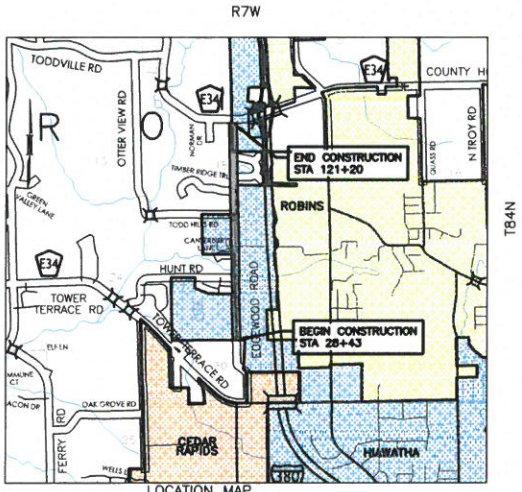
TRAFFIC CONTROL PLAN

EDGEWOOD ROAD SHALL BE CLOSED TO TRAFFIC DURING PAVING CONSTRUCTION. ROAD CLOSURES SHALL BE CHANGED TO "ROAD CLOSED TO THRU TRAFFIC" AS SOON AS PAVEMENT REACHES MATURITY AND SHOULDER DROPOFF IS ADDRESSED. LINN COUNTY SHALL FURNISH, ERECT AND MAINTAIN DETOUR SIGNS. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ADVANCED WARNING SIGNS, ROAD CLOSED SIGNS MOUNTED ON TYPE III BARRICADES, ROAD CLOSED TO THRU TRAFFIC SIGNS MOUNTED ON TYPE III BARRICADES AND SAFETY FENCE AT SAFETY CLOSURE LOCATIONS. LOCAL TRAFFIC TO ADJACENT PROPERTIES SHALL BE MAINTAINED AS PROVIDED FOR IN ARTICLE 1107.08 OF THE STANDARD SPECIFICATIONS. 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 CHAPTER 130.

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



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



LOCATION MAP
SCALE: NOT TO SCALE

IOWADOT

PLANS FOR PROPOSED IMPROVEMENT ON THE

FARM-TO-MARKET ROAD SYSTEM

LINN COUNTY, IOWA

PCC WHITETOPPING
PROJECT NUMBER
L-EDGEWOOD RD(19)

8" CONCRETE OVERLAY 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 2017 SERIES, 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		35	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+20	1320	0.250
	TOTAL	9277	1.757

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 AND DETAILS
C.01-C.03	QUANTITIES AND GENERAL INFORMATION
D.01-D.04	PLAN AND PROFILE SHEETS
F.01	DETOUR ROUTE AND SIGNING
K.01-K.05	INTERSECTION DETAILS
	TOTAL: 16

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.

PRELIMINARY PLANS

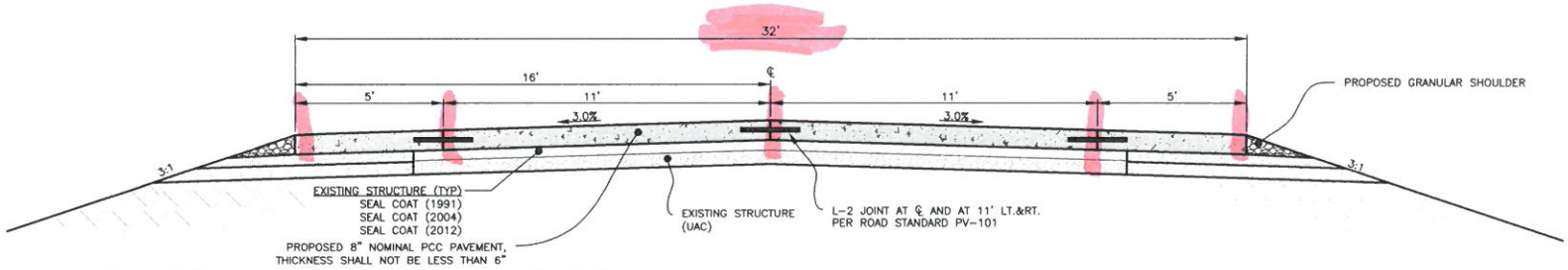
Bradley J. Ketels, P.E. 16706 DATE

My License Renewal Date is Dec. 31, 2018

Pages or sheets covered by this seal:

(Entire submission unless specified here)

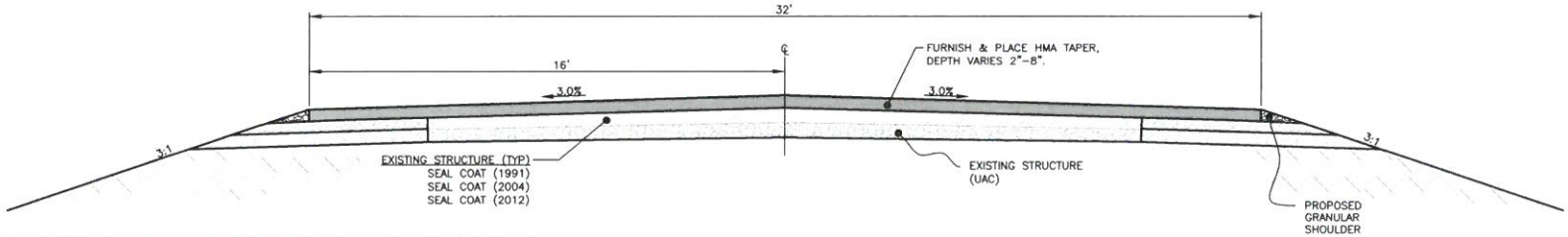
A.01



LOCATION				LENGTH	CONCRETE		SHOULDER
DIVISION	ROAD IDENTIFICATION	STATION TO STATION		(FEET)	AREA (SY)	VOL. (CY)	(TON)
2	EDGEWOOD ROAD	29+93	48+14	1821	6475	1691	374
3	EDGEWOOD ROAD	48+14	64+80	1666	5924	1547	342
2	EDGEWOOD ROAD	64+80	81+52	1672	5945	1553	343
3	EDGEWOOD ROAD	81+52	93+90	1238	4402	1150	254
1	EDGEWOOD ROAD	93+90	108+00	1410	5014	1310	290
3	EDGEWOOD ROAD	108+00	119+70	1170	4160	1090	240
			TOTAL	8977	31920	8341	1843

TYPICAL CROSS SECTION-PCC PAVEMENT SECTION
SCALE: 1"=4'

PAVEMENT CONDITION INDEX (PCI) HISTORY	
YEAR	PCI
2013	54-72
2015	46-72



LOCATION				LENGTH	HMA	SHOULDER
DIVISION	ROAD IDENTIFICATION	STATION TO STATION		(FEET)	(TON)	(TON)
2	EDGEWOOD ROAD	28+43	29+93	150	142	30
3	EDGEWOOD ROAD	119+70	121+20	SEE SHEET K.05		
			TOTAL	150	142	30

TYPICAL CROSS SECTION-HMA TAPERS
SCALE: 1"=4'

DRAFTED BY: AMB 06-29-17
REVISED BY: AMB 01-12-18
PLOTTED BY: BAIN, AUSTIN
2/6/2018 15:43

REVISIONS:

DWG: S:\PROJECTS\EDGEWOOD ROAD\2018 OVERLAY TOWER TERRACE RD TO COUNTY HOME RD\DWG

OFFICE OF THE LINN COUNTY ENGINEER

EDGEWOOD ROAD
L-EDGEWOOD RD(19)
PCC WHITETOPPING

TYPICAL CROSS SECTIONS

SHEET B.01

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 repair and overlay with Portland Cement Concrete (PCC) the existing road, shoulder and apply pavement markings 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 concrete overlay, granular shoulder, pavement marking, staking, inspection, and other items to complete the project. Other items may include grading, patching, culvert extensions or replacements, etc.

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 herein in accordance with the aforesaid scope of work and 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 Hiawatha on the _____ day of _____, _____

BOARD OF SUPERVISORS
LINN COUNTY, IOWA

_____

_____

_____

_____

_____

ATTEST:

_____
LINN COUNTY AUDITOR

CITY OF HIAWATHA

_____

_____

_____

ATTEST:

_____
HIAWATHA CITY CLERK

Linn County Secondary Road Department

Project Estimate

Project No.: L-EDGEWOOD RD(19)
Type of work: PCC Whitetopping
Location: On Edgewood Road from Tower Terrace Road north to County Home Road
Letting Date: March 6, 2018
Date: February 7, 2018

Late Start Date: June 4, 2018
Working Days: 35
Liquidated Damages: $1,000/Day
Proposal Guaranty: $50,000
Project Length: 1.8 miles

REF.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY DIV 1	DIV 2	DIV 3	TOTAL	UNIT PRICE	AMOUNT
1	2115-0100000	MODIFIED SUBBASE	CY	0.000	51.000	0.000	51.000	$25.00	$ 1,275.00
2	2121-7425020	GRANULAR SHLD, TYPE B	TON	375.000	787.000	926.000	2,088.000	$13.50	$ 28,188.00
3	2210-0475105	CHOKE STONE BASE	TON	0.000	205.000	345.000	550.000	$13.50	$ 7,425.00
4	2214-5145150	PAV'T, SCARIFICATION	SY	49.000	167.000	390.000	606.000	$10.00	$ 6,060.00
5	2301-1032080	STD/S-F PCC PAV'T, CL C CL 2, 8"	SY	0.000	465.000	0.000	465.000	$75.00	$ 34,875.00
6	2303-1033500	HMA ST SURF, 1/2", NO FRIC	TON	280.000	142.000	230.000	652.000	$60.00	$ 39,120.00
7	2303-1258283	ASPH BINDER, PG 58-28S	TON	16.800	8.500	13.800	39.100	$375.00	$ 14,662.50
8	2310-5151040	PCC OVERLAY, FURN ONLY	CY	1310.000	3244.000	3787.000	8,341.000	$75.00	$ 625,575.00
9	2310-5151551	PCC OVERLAY PLACE ONLY (WHITE TOPPING)	SY	5014.000	12420.000	14486.000	31,920.000	$4.50	$ 143,640.00
10	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	0.000	4.000	0.000	4.000	$2,800.00	$ 11,200.00
11	2510-6745850	RMVL OF PAV'T	SY	0.000	465.000	0.000	465.000	$10.00	$ 4,650.00
12	2518-6910000	SAFETY CLOSURE	EACH	2.000	4.000	12.000	18.000	$450.00	$ 8,100.00
13	2527-9263117	PAINTED PAV'T MARK, DURABLE	STA	54.530	142.320	167.450	364.300	$27.00	$ 9,836.10
14	2528-8445110	TRAFFIC CONTROL	LS	0.150	0.400	0.450	1.000	$5,000.00	$ 5,000.00
15	2533-4980005	MOBILIZATION	LS	0.150	0.400	0.450	1.000	$25,000.00	$ 25,000.00
16	2554-0212020	VALVE BOX EXTENSION	EACH	0.000	2.000	0.000	2.000	$500.00	$ 1,000.00
17	6200-7000021	PRICE ADJ\INCENTIVE-CLOSURE DAYS	EACH	0.000	10.000	0.000	10.000	$1,000.00	$ 10,000.00
									$ 975,606.60

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):	**$**	**362,671.14**
Hiawatha Estimate (Div 2 + 1/2 Div 3):	$	612,935.47
Linn County Survey, Design, Inspection, and Adminitstration (7.5%):	$	45,970.16
	$	**658,905.62**
10% Contingency:	$	65,890.56
Hiawatha Total Estimate:	**$**	**724,796.19**

DRAFT

RESOLUTION NO. 18-
City Council

RESOLUTION APPROVING A 28E AGREEMENT BETWEEN THE CITY OF HIAWATHA AND LINN COUNTY FOR THE EDGEWOOD ROAD REPAVING PROJECT PHASE II

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 Repaving Project Phase II 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 $975,606.60, with Hiawatha's share of the total cost in an amount not to exceed $724,796.19.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 21st day of February, 2018.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk