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: December 20, 2017**

From: John Bender PE, City Engineer

Re: **December 2017 Update**

Description: Engineering Department Report

- Working with Public Works whenever necessary.
- Working with the Community Development Department to review building site plans, final plats, and rezoning requests. Several large projects are in the planning stage that requires engineering review and approval of proposed plans. Pecks 1St Addition improvements have now started with grading and sewer construction.
- The Emmons/Robins/North Center Point Road intersection reconstruction project is now complete. Final project close-out documents can now be prepared and forwarded to Council for final acceptance. We did install the lighting dimmers to the intersection to help reduce some of the glare during nighttime hours. The light intensity is now adjustable, so we will monitor how the lighting levels have changed and if we see any other issues.
- The work to reconfigure North Center point Road with 3 lanes and bike lanes will be scheduled to start next spring as a supplemental contract to the existing prime construction contract. Again this is a painting contract only, so the cold weather prevented us from completing the project this fall.
- The Edgewood Road grading and culvert project is substantially complete. We have been dealing with a rough roadway surface and patching is planned as a temporary surface during the winter months. We are working with the Linn County Engineering Department to get this work completed.
- The concrete overlay project for Edgewood Road is planned for next spring. We are now reviewing the preliminary plans with the County engineering staff to determine the best concept for the finished roadway surface. The proposed schedule is to bid the project March 6th and start work in the spring.
- The Tower Terrace Interchange public information meeting was held November 16, 2017 in the Hiawatha City Hall community center. The Iowa DOT conducted the meeting. Approximately 70-80 people attended. The Iowa DOT provided concept drawings for the new proposed Tower Terrace /I-380 Interchange and the new proposed Boyson Road/I-380 interchange. The concepts studied were a

standard diamond interchange or the new diverging diamond interchange design. See attached copies of the information boards that were supplied at the meeting.

- We are preparing the Metropolitan Planning Organization (MPO) application for the funding of the new Tower Terrace interchange scheduled to start construction in FY22 or possibly FY21. The application is for $1.0 million of MPO funds to help provide a local match for the project. The total requested will be $4.0 million, as $1.0 million in 4 consecutive years. The application is due in January.

- We held the 4th meeting of the Storm Water Advisory Committee in December. The committee reviewed the FY19 budget proposal for the monthly storm water fees allowed by Chapter 101 of our code. This monthly fee is for both residential lots and commercial lots to help offset the ever changing storm water management regulations we receive for the Department of Natural Resources. The committee recommendation will be forwarded to Council during the annual budget meetings held in January. Agendas and minutes of the committee meetings can be found on the website under the Community Development Department.

I am sure there are other projects I failed to include in the report, but feel free to call me with questions at any time.

LETTING DATE: MARCH 06, 2018

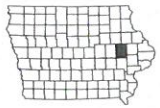
PROJECT NO.: L-EDGEWOOD RD (19)
PCC WHITETOPPING

LINN COUNTY, IOWA

TRAFFIC CONTROL PLAN

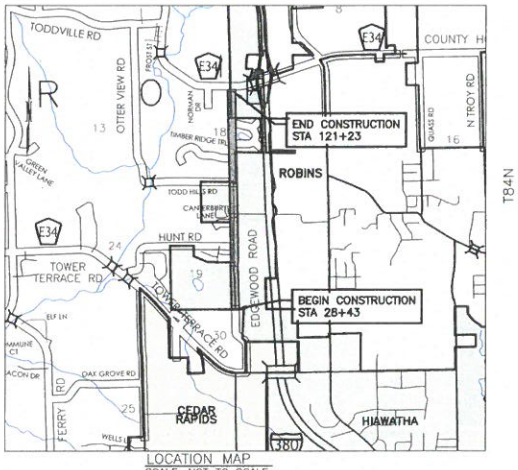
EDGEWOOD ROAD SHALL BE CLOSED TO TRAFFIC DURING PAVING CONSTRUCTION. ROAD CLOSURES SHALL BE CHANGED TO "ROAD CLOSED TO THRU TRAFFIC" AS SOON AS PAVEMENT REACHES MATURITY AND SHOULDER DROPOFF IS ADDRESSED. LINN COUNTY SHALL FURNISH, ERECT AND MAINTAIN DETOUR SIGNS IF APPLICABLE. THE CONTRACTOR SHALL FURNISH, 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

R7W



LOCATION MAP
SCALE: NOT TO SCALE

DWG: S:\PROJECTS\EDGEWOOD ROAD\2018 OVERLAY TOWER TERRACE RD TO COUNTY HOME RD\DGN Plotted: BAIN, AUSTIN 12/15/2017 15:20

IOWADOT

PLANS FOR PROPOSED IMPROVEMENT ON THE

FARM-TO-MARKET ROAD SYSTEM
LINN COUNTY, IOWA

PCC WHITETOPPING
PROJECT NUMBER
L-EDGEWOOD RD (19)

8" 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+23	1317	0.250
	TOTAL	9274	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.02	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: 15

OFFICE OF THE
LINN COUNTY ENGINEER

COUNTY ENGINEER DATE

BRADLEY J. KEETON LICENSED 16706 IOWA, U.S.A. PROFESSIONAL ENGINEER

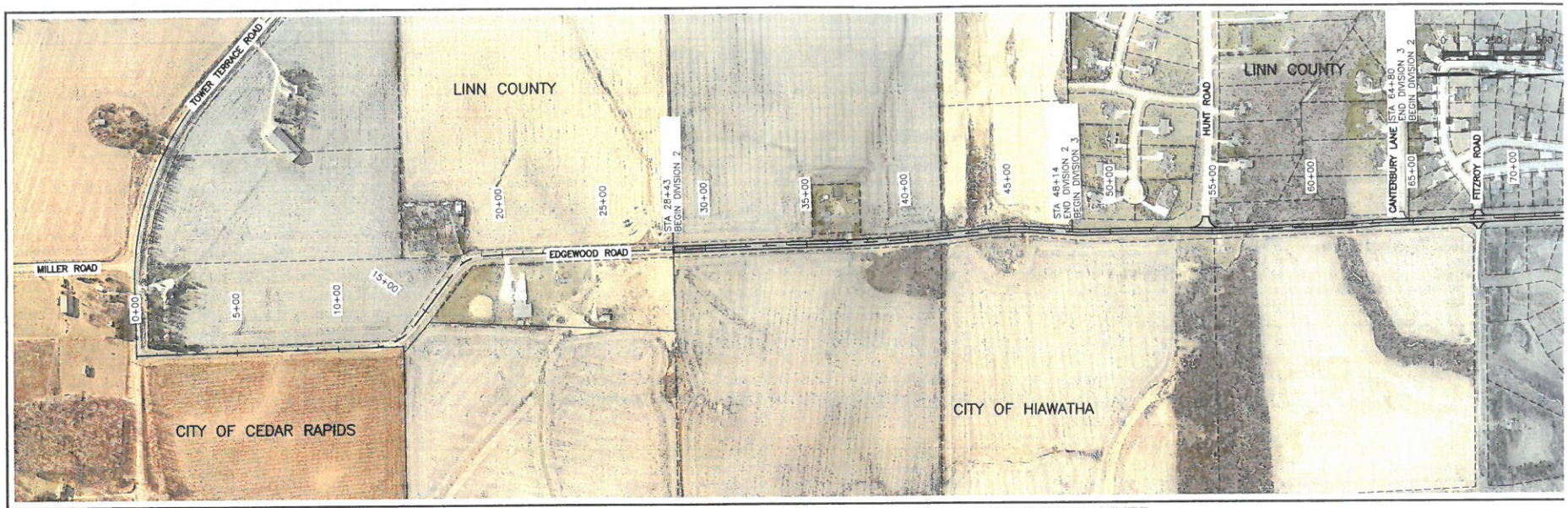
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

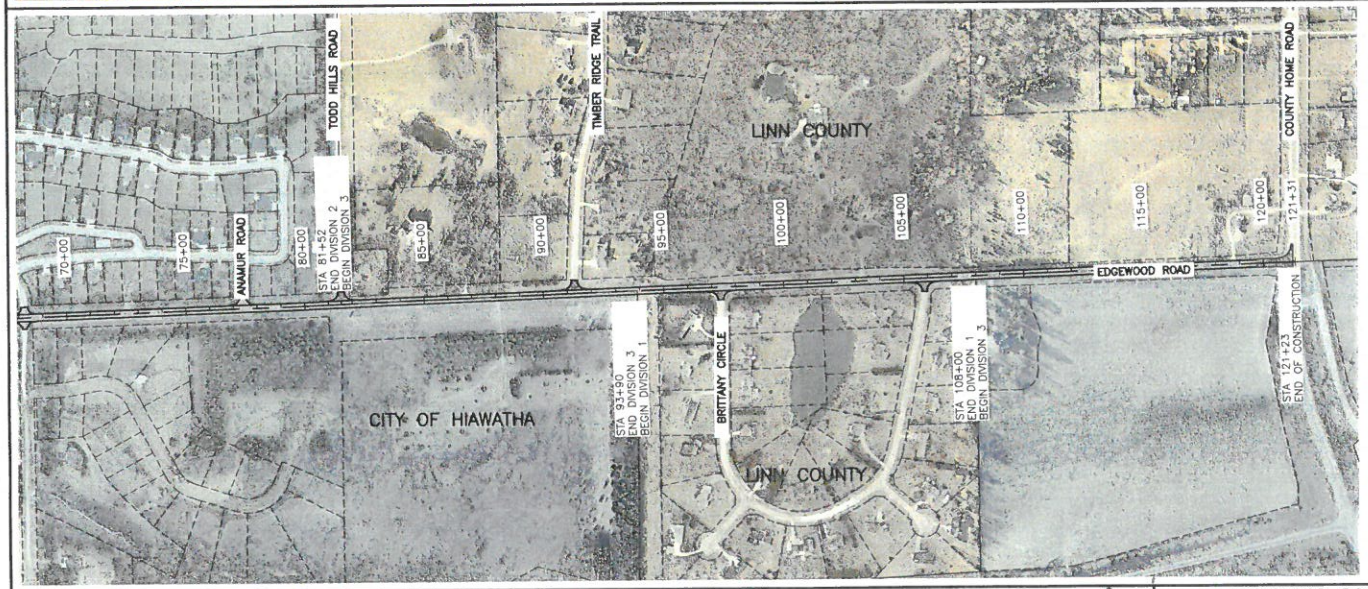
Bradley J. Keeton, P.E. 16706 DATE

My License Renewal Date is Dec. 31, 2018
Pages or sheets covered by this seal:
(Entire submission unless specified here)

PRELIMINARY PLANS

A.01





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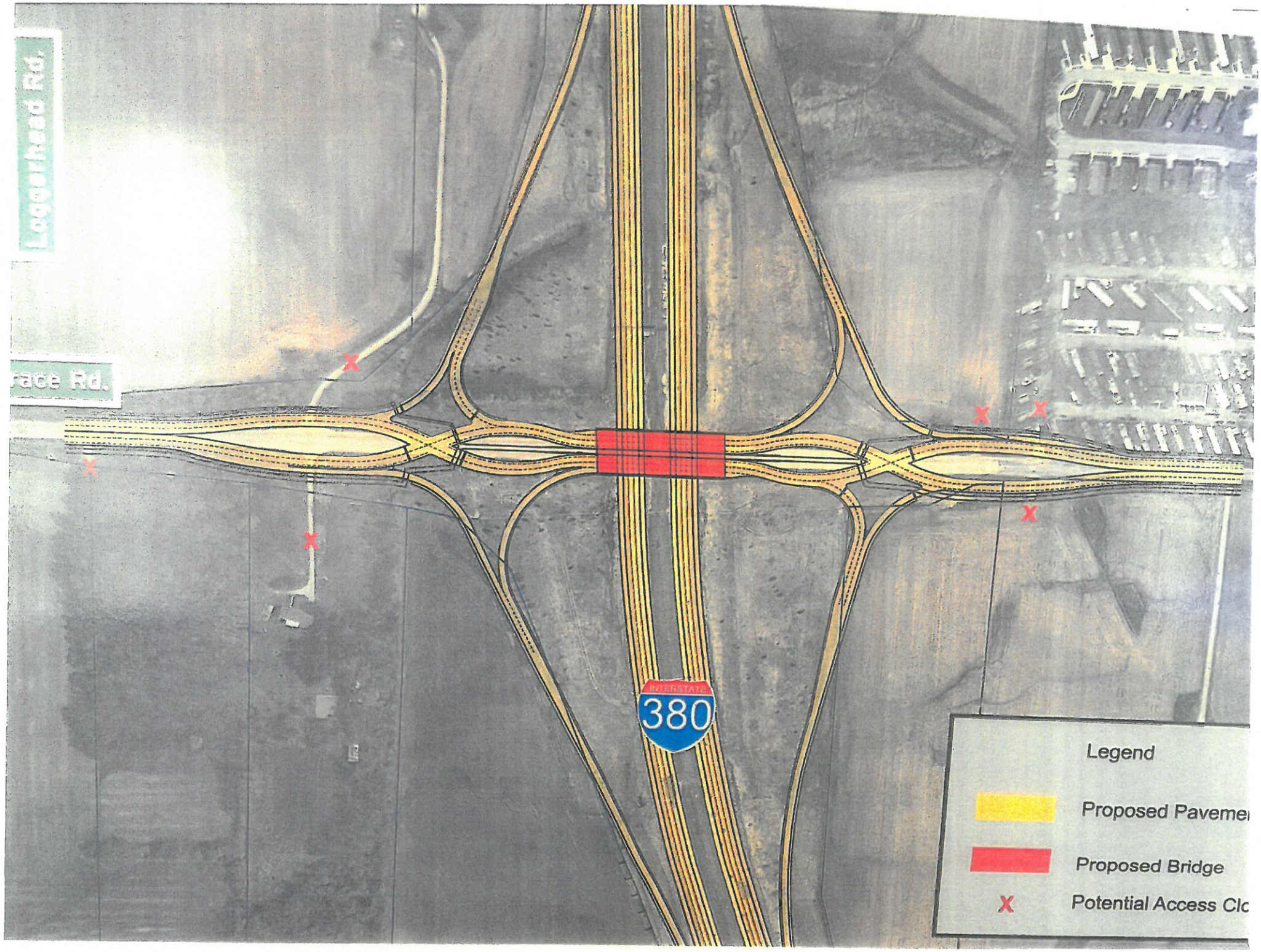
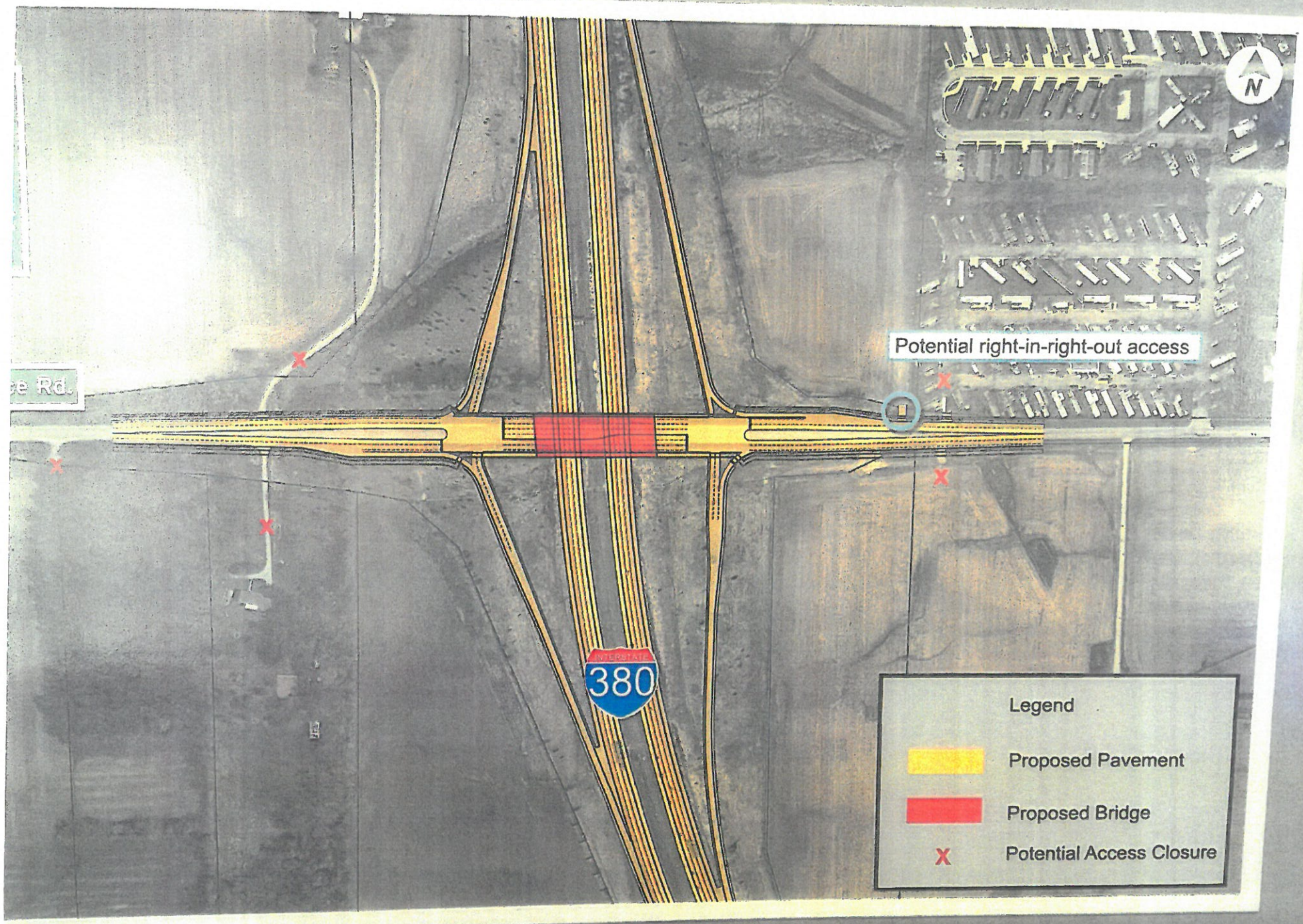
DRAFTED BY: AMB 06-29-17 REVISED BY: AAA MM-DD-YY PLOTTED BY: BAIN, AUSTIN 12/15/2017 15:21	REVISIONS: DWG: S:\PROJECTS\EDGEWOOD ROAD\2018 OVERLAY TOWER TERRACE RD TO COUNTY HOME RD\.DWG	OFFICE OF THE LINN COUNTY ENGINEER	EDGEWOOD ROAD L-EDGEWOOD RD (19) PCC WHITETOPPING	SITE MAP	SHEE A.02


Loggerhead Rd.
race Rd.
INTERSTATE
380
Legend
Proposed Paveme
Proposed Bridge
Potential Access Clo



RIM Date: 11/14/2017