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 26, 2017**

From: John Bender PE, City Engineer

Re: **April 2017 Update**

Description: 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.
- The third, fourth, and fifth phases of the Emmons/Robins/North Center Point Road intersection reconstruction project are almost complete. Thanks to the favorable weather this spring, the west one-half of the intersection with color patterns and crosswalks have been completed. In approximately 2 weeks, traffic will be moved to the newly constructed west section and work can begin on the east side of Center Point Road. Emmons Street will remain closed for another week or so, but the Emmons Street entrance to City Hall is now open. We will move traffic to the newly constructed North Center Point Road , which allows the removal of the east one-half of the street to be replaced during the next phase.
- The consultant has the design plans prepared for the interim changes to the traffic signals at all three intersections at the Boyson Road Interchange. New signal equipment is planned at the Boyson Road/North Center Point Road intersection and both traffic signals at the I-380 off ramps. The plans have been forwarded to the Iowa DOT for their review, with planned action by the City Council to proceed with construction at the May 17th meeting.
- Another significant improvement planned for the interchange by the Iowa DOT is the widening of the Boyson Road northbound off ramp from one lane to two lanes. The Iowa DOT has preliminary plans developed that will go out for bids in July. We discussed with the Council this construction process that will require "night" closing of the northbound off-ramp at Boyson Road and I-380 while this construction is completed. Hiawatha and Cedar Rapids will be responsible for the detour signing at other City streets.

- We have been working the Linn County Engineers office to develop plans for the phase I improvements to Edgewood Road between Tower Terrace Road and County Home Road. The phase I project will replace the existing drainage pipes in the roadway with new culverts. Also included is the geometric changes needed to 3 separate locations to improve the existing roadway sight distance before we apply the final roadway surface next year. A 28e agreement with the County is on the agenda this week to proceed with the phase I project.

- Joe Griffin from Iowa DNR is coming to our office next week to review our progress of complying with our MS4 permit. If you recall we renewed our DNR permit in 2016 that allows us to operate the public storm water disposal system that drains to our several public waterways. Engineering and Community Development will sit down with Joe and review our records as to our monitoring process for registered NPDES permits in the City. At this point, we currently have 21 permits that are active.

LETTING DATE 7-18-2017

PCC PAVEMENT WIDENING
IMN-380-6(341)25--0E-57

LINN Co.

IOWADOT

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

LINN COUNTY

PCC PAVEMENT WIDENING

Boyson Rd Interchange in Hiawatha - NB Off Ramp

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.

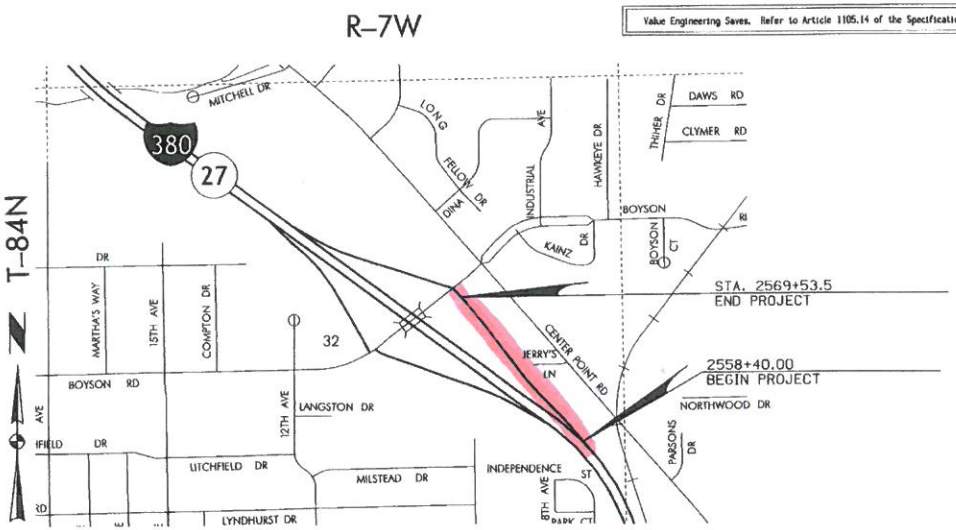
IOWA ONE CALL
1-800-292-8989
811

REVISIONS

TOTAL 38
PROJECT IDENTIFICATION NUMBER
16-57-380-050
PROJECT NUMBER
IMN-380-6(341)25--0E-57
R.O.W. PROJECT NUMBER

INDEX OF SHEETS

No.	DESCRIPTION
A Sheets	**Title Sheets**
A.1	Title Sheet
A.1	Location Map Sheet
B Sheets	**Typical Cross Sections and Details**
B.1 - 2	Typical Cross Sections and Details
C Sheets	**Quantities and General Information**
C.1	Project Description
C.1	Estimated Project Quantities
C.1 - 2	Estimate Reference Information
C.2	Standard Road Plans
C.2	Index of Tabulations
C.3	General Notes
C.4 - 6	Tabulations
CE Sheets	**Erosion Control Tabulations**
CE.1 - 2	Pollution Prevention Plan
CE.2	Erosion Control Tabulations
* CE.3	Basin Detail
D Sheets	**Mainline Plan and Profile Sheets**
* D.1	Plan and Profile Legend Sheet
* D.1	Ramp B Plan Sheet
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
K Sheets	**Interchange Sheets**
K.1	Boyson Road Interchange (Info. Only)
K.2	Boyson Road Ramp Profiles (Info. Only)
T Sheets	**Earthwork Quantity Sheets**
* T.1A - 1D	Earthwork Legend Sheets
T.2 - 3	Earthwork Quantity Sheets
U Sheets	**500 Series, Mod.Stds. and Detail Sheets**
U.1	Modified Standard TC-416M
W Sheets	**Mainline Cross Sections**
W.1 - 14	Ramp B Cross Sections
	* Color Plan Sheets



LOCATION MAP SCALE
0 0.1 0.2 0.3
Miles

Ramp B DESIGN DATA RURAL		
2013 AADT	5985	V.P.D.
20-- AADT	--	V.P.D.
2013 DHV	596	V.P.H.
TRUCKS	3.6	%
Total Design ESALs	900,000	

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	Paul W. Flattery	Primary Signature Block

ROADWAY DESIGN

LICENSED PROFESSIONAL ENGINEER Paul W. Flattery 15262 IOWA

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.

Signature: Paul Flattery — Date: 03-17-2017

Paul W. Flattery
Printed or Typed Name

My license renewal date is December 31, 2017

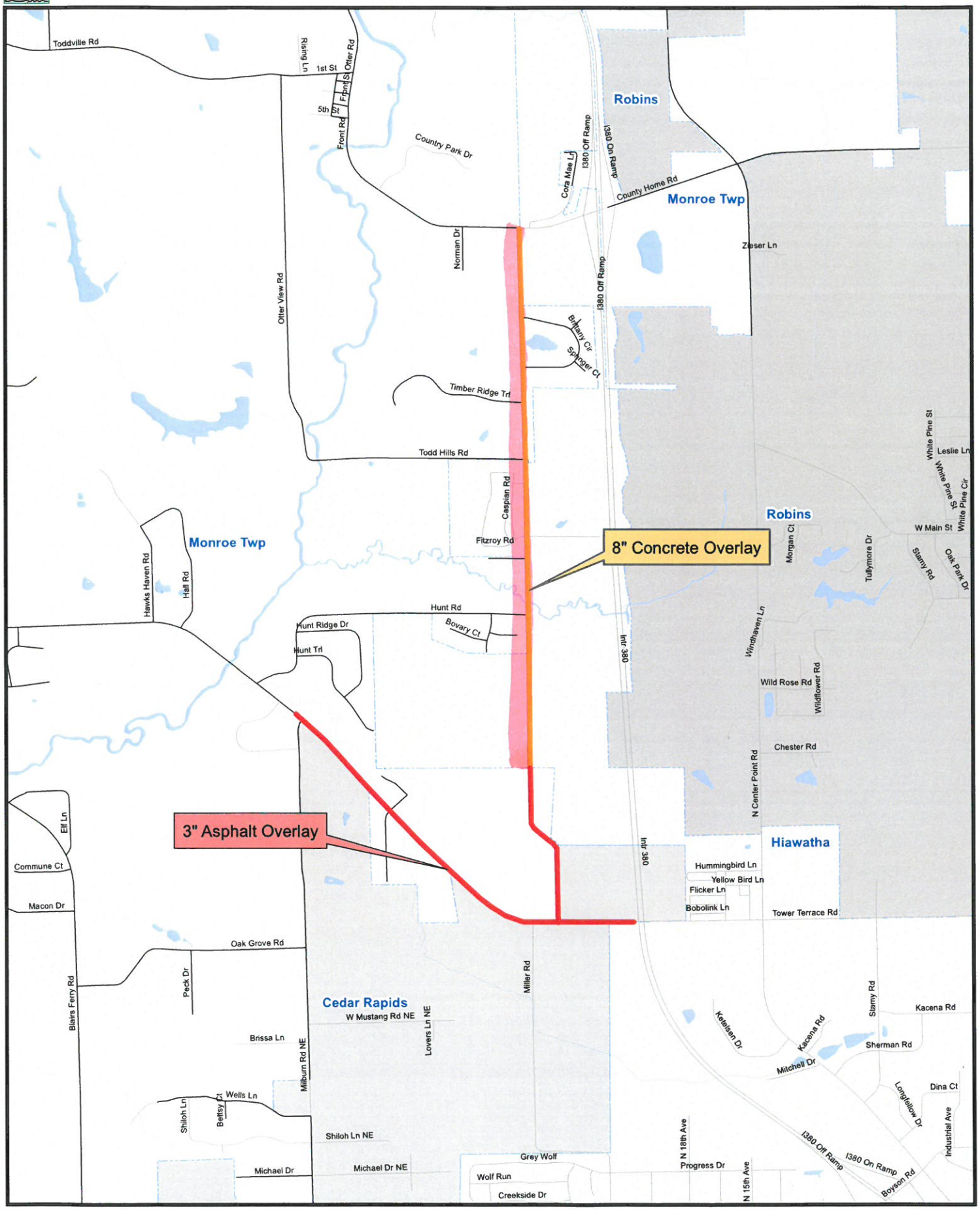
Pages or sheets covered by this seal: A.1,B.1-B.2,C.1-C.6,CE.1-CE.3,D.1-D.2,J.1 K.1-K.2,T.1A-T.3,U.01,W.1-W.14

FILE NO.	ENGLISH	DESIGN TEAM Flattery \ Buttolph	LINN COUNTY	PROJECT NUMBER IMN-380-6(341)25--0E-57	SHEET NUMBER A.1

4:16:03 PM 3/21/2017 jbuttol pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5738005016\Design\5738034I_A01.sht

Edgewood Road/Tower Terrace Road

Linn County, Iowa



IOWA DEPARTMENT OF NATURAL RESOURCES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT

PERMITTEE

City of Hiawatha
101 Emmons St.
Hiawatha, Iowa 52233

IDENTITY AND LOCATION OF FACILITY

City of Hiawatha

IOWA NPDES PERMIT NUMBER: 57-35-0-00

RECEIVING WATERCOURSES
Dry Creek and other, undesignated streams

DATE OF ISSUANCE: February 1, 2016

DATE OF EXPIRATION: January 31, 2021

YOU ARE REQUIRED TO FILE
FOR RENEWAL OF THIS PERMIT BY: August 4, 2020

EPA NUMBER – IA0078743

This permit is issued pursuant to the authority of section 402(b) of the Clean Water Act (33 U.S.C. 1342(b)), Iowa Code section 455B.174, and rule 567--64.13, Iowa Administrative Code. You are authorized to operate the disposal system and to discharge the pollutants specified in this permit in accordance with the monitoring requirements and other terms set forth in this permit.

You may appeal any conditions of this permit by filing written notice of appeal and request for administrative hearing with the director of this department within 30 days of receipt of this permit.

Any existing, unexpired Iowa operation permit or Iowa NPDES permit previously issued by the department for the facility identified above is revoked by the issuance of this Iowa NPDES operation permit.

FOR THE DEPARTMENT OF NATURAL RESOURCES

By _____
Joe Griffin
NPDES Section
Environmental Protection Division