

City of Hills

Council Members

Bruce Endris
Steve Harris
Merle Hill
Thom Kirkpatrick
Cathy Knebel

201 N 1st St P O Box 345
Hills, Iowa 52235-0345
Phone 319-679-3197
Fax 319-679-3097
www.hills-ia.org

Mayor

Tim Kemp
City Administrator
Cathy Fitzmaurice-Hill
Deputy Clerk
Donna Hicks

Joint Meeting
Hills City Council
Regular Meeting
Hills Fire Department Meeting Room @ 7:00 PM
July 25, 2016

1. Consent Agenda:

- a. Agenda
- b. Minutes: July 11, 2016 Council Meeting.
- c. Scheduled list of Claims
- d. Receipts from July 11, 2016 thru July 22, 2016

2. Public Comments

3. Business:

- a. Emergency Management Agency Presentation
- b. Discussion and possible action re: Storm Drainage work including:
 1. Corner of Brady & Third
 2. Maintenance Shop Drive
 3. Adams/ Williams Circle
 4. City Park
 5. Fire Station Alley
- c. Discussion and possible action re: MPO report and recommendations for school crossings.
- d. Discussion and possible action re: replacing generator plugs.
- e. Discussion and possible action re: Nutri-Ject Systems, Inc. estimate for sludge judging and sample collection of sewer lagoon.
- f. Discussion and possible action re: City Logo
- g. Possible Closed Session pursuant to Iowa Code Section 21.5(1)(j) to discuss acquisition of wastewater easements.

4. Reports:

- a. Mayor
- b. Attorney
- c. City Administrator
- d. Maintenance
- e. Fire Department
- f. Sewer
- g. Water

5. Adjournment

Hills City Council Meeting
July 11, 2016
7:00 PM
Hills Fire Station Meeting Room

The regular Hills City Council meeting was called to order by Mayor Pro Tem Cathy Knebel at 7:00 p.m. on Monday, July 11, 2016 at the Hills Fire Station Meeting Room.

Council members present were: Bruce Endris, Steve Harris, Merle Hill, Thom Kirkpatrick and Cathy Knebel.
Absent: Mayor Tim Kemp. Also present: Cathy Fitzmaurice-Hill, City Administrator

Consent Agenda: A Motion was made by Kirkpatrick and seconded by Hill to approve the consent agenda approving Agenda items, minutes from the Meeting of June 27, 2016 Joint Meeting with Fire Department and Township Trustees, minutes from the Meeting of June 27, 2016, Scheduled list of claims, receipts from June 27, 2016 thru July 11, 2016. Ayes:5. Motion carried.

Public Comment: None.

Business: None

Reports:

Attorney: No report.

Fire Chief: No report.

Maintenance: No report

Sewer: Electric Pump will complete the required replacement of the alarm system in the Oak Crest Hill Lift Station.

Administrator: Cathy reported she has received the results from the traffic study completed by MPO in regard to the school crossing. She will review and provide information at the next meeting. She also reported that Kreider Excavating has reviewed the storm drain improvements and submitted a time and materials bid of \$145/hour for machind and 3 men. The areas of work include the City Maintenance Building, the corner of Brady and Third, Adams Street at Williams Circle, the alley behind Fire Station and the Ball Park.

Mayor: No report.

A Motion was made by Hill and seconded by Knebel to adjourn the meeting at 7:15 p.m. Ayes:5. Motion carried.

Cathy Knebel, Mayor Pro Tem

Cathy Fitzmaurice-Hill, City Administrator

ACCOUNT NUMBER	ACCOUNT NAME	DATE	JOURNAL RECEIVED FROM/ALPHA ID	RECEIPT NO REF/DESCRIPTION	AMOUNT
001-950-4000	GEN PROP TAX				
		7/11/16	GL1525 JOHNSON COUNTY TREASURER	PROPERTY TAX	1,058.23
	ACCOUNT TOTAL				1,058.23
001-950-4120	BUILDING/CONSTRUCT PERMIT				
		7/15/16	GL1526 FEDERSPIEL PROPERTIES	BUILDING PERMIT	350.00
		7/22/16	GL1529 STUTSMAN	BUILDING PERMIT	180.00
	ACCOUNT TOTAL				530.00
001-950-4799	MISC REVENUE				
		7/22/16	GL1529 STEVENS EROSION CONTROL	DONATIONS MUSIC IN THE PARK	300.00
	ACCOUNT TOTAL				300.00
110-210-4430	ROAD USE TAX				
		7/19/16	GL1528 TREASURER, STATE OF IOWA	ROAD USE TAX	6,542.53
	ACCOUNT TOTAL				6,542.53
600-810-4500	CHARGES/FEEES FOR SERVICES				
		7/11/16	UB3403 SA CASH POSTING		10.00
		7/11/16	UB3403 SA CASH POSTING		10.00
		7/11/16	UB3403 SA CASH POSTING		248.65
		7/11/16	UB3403 WA CASH POSTING		154.44
		7/11/16	UB3403 WA CASH POSTING		44.44
		7/11/16	UB3403 WA CASH POSTING		1,226.36
		7/13/16	UB3414 SA CASH POSTING		170.00
		7/13/16	UB3414 WA CASH POSTING		783.86
		7/13/16	UB3414 WA CASH POSTING		130.80
		7/15/16	UB3416 SA CASH POSTING		20.00
		7/15/16	UB3416 SA CASH POSTING		203.65
		7/15/16	UB3416 WA CASH POSTING		218.88
		7/15/16	UB3416 WA CASH POSTING		1,014.69
		7/15/16	UB3416 WA CASH POSTING		153.55
		7/18/16	UB3421 SA CASH POSTING		80.00
		7/18/16	UB3421 SA CASH POSTING		200.00
		7/18/16	UB3421 WA CASH POSTING		520.52
		7/18/16	UB3421 WA CASH POSTING		825.02
		7/18/16	UB3421 WA CASH POSTING		27.45
		7/18/16	UB3421 WA CASH POSTING		.50-
		7/18/16	UB3423 SA CASH POSTING		50.00
		7/18/16	UB3423 SA CASH POSTING		1,090.00
		7/18/16	UB3423 WA CASH POSTING		437.20
		7/18/16	UB3423 WA CASH POSTING		5,418.96
		7/20/16	UB3425 SA CASH POSTING		10.00
		7/20/16	UB3425 SA CASH POSTING		270.00
		7/20/16	UB3425 WA CASH POSTING		44.44
		7/20/16	UB3425 WA CASH POSTING		1,184.07
		7/20/16	UB3425 WA CASH POSTING		11.94
		7/20/16	UB3425 WA CASH POSTING		70.56-
		7/20/16	UB3427 SA CASH POSTING		210.00

ACCOUNT NUMBER	ACCOUNT NAME	DATE	JOURNAL	RECEIVED FROM/ALPHA ID	RECEIPT NO REF/DESCRIPTION	AMOUNT
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600-810-4500	CHARGES/FEES FOR SERVICES					
		7/20/16	UB3427	WA CASH POSTING		983.19
		7/20/16	UB3427	WA CASH POSTING		280.75
		7/20/16	UB3427	WA CASH POSTING		26.70-
		7/21/16	UB3430	SA CASH POSTING		179.94
		7/21/16	UB3430	WA CASH POSTING		768.43
		7/21/16	UB3430	WA CASH POSTING		1.65
		7/21/16	UB3431	SA PENALTY CALC		10.00
		7/21/16	UB3431	WA PENALTY CALC		812.57-
		7/21/16	UB3431	WA PENALTY CALC		741.94
	ACCOUNT TOTAL					16,824.49
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600-810-4550	MISC CHARGE FOR SERVICES					
		7/18/16	UB3421	WA CASH POSTING		22.00
	ACCOUNT TOTAL					22.00
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600-810-4560	SALES TAXES COLLECTED					
		7/11/16	UB3403	WA CASH POSTING		10.81
		7/11/16	UB3403	WA CASH POSTING		85.84
		7/13/16	UB3414	WA CASH POSTING		55.08
		7/15/16	UB3416	WA CASH POSTING		12.21
		7/15/16	UB3416	WA CASH POSTING		69.66
		7/18/16	UB3421	WA CASH POSTING		36.43
		7/18/16	UB3421	WA CASH POSTING		59.13
		7/18/16	UB3423	WA CASH POSTING		30.60
		7/18/16	UB3423	WA CASH POSTING		379.24
		7/20/16	UB3425	WA CASH POSTING		3.11
		7/20/16	UB3425	WA CASH POSTING		87.59
		7/20/16	UB3427	WA CASH POSTING		68.81
		7/21/16	UB3430	WA CASH POSTING		53.92
		7/21/16	UB3431	WA PENALTY CALC		3.11
	ACCOUNT TOTAL					955.54
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600-810-4730	DEPOSITS					
		7/13/16	UB3412	WA CASH POSTING		200.00
		7/15/16	UB3416	WA CASH POSTING		100.00
	ACCOUNT TOTAL					300.00
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610-815-4500	CHARGES/FEES					
		7/11/16	UB3403	SW CASH POSTING		50.00
		7/11/16	UB3403	SW CASH POSTING		50.00
		7/11/16	UB3403	SW CASH POSTING		910.00
		7/13/16	UB3414	SW CASH POSTING		596.17
		7/15/16	UB3416	SW CASH POSTING		100.00
		7/15/16	UB3416	SW CASH POSTING		90.00
		7/15/16	UB3416	SW CASH POSTING		722.49
		7/15/16	UB3416	SW CASH POSTING		20.00
		7/18/16	UB3421	SW CASH POSTING		400.00
		7/18/16	UB3421	SW CASH POSTING		648.00
		7/18/16	UB3423	SW CASH POSTING		250.00

ACCOUNT NUMBER	ACCOUNT NAME	DATE	JOURNAL RECEIVED FROM/ALPHA ID	RECEIPT NO REF/DESCRIPTION	AMOUNT
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610-815-4500	CHARGES/FEES				
	7/18/16	UB3423	SW CASH POSTING		4,160.00
	7/20/16	UB3425	SW CASH POSTING		50.00
	7/20/16	UB3425	SW CASH POSTING		950.83
	7/20/16	UB3427	SW CASH POSTING		735.00
	7/21/16	UB3430	SW CASH POSTING		595.00
	7/21/16	UB3430	SW CASH POSTING		20.00
	7/21/16	UB3431	SW PENALTY CALC		54.83
	ACCOUNT TOTAL				10,402.32
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610-815-4560	SALES TAX COLLECTED				
	7/11/16	UB3403	SW CASH POSTING		3.50
	7/15/16	UB3416	SW CASH POSTING		7.00
	7/18/16	UB3421	SW CASH POSTING		28.00
	7/18/16	UB3423	SW CASH POSTING		17.50
	7/20/16	UB3425	SW CASH POSTING		3.50
	ACCOUNT TOTAL				59.50
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670-840-4501	GARBAGE FEES				
	7/11/16	UB3403	GB CASH POSTING		99.75
	7/11/16	UB3403	GB CASH POSTING		20.00
	7/13/16	UB3414	GB CASH POSTING		57.16
	7/13/16	UB3414	GB CASH POSTING		20.00
	7/15/16	UB3416	GB CASH POSTING		66.50
	7/15/16	UB3416	GB CASH POSTING		40.00
	7/18/16	UB3421	GB CASH POSTING		85.50
	7/18/16	UB3423	GB CASH POSTING		479.75
	7/18/16	UB3423	GB CASH POSTING		20.00
	7/20/16	UB3425	GB CASH POSTING		101.82
	7/20/16	UB3425	GB CASH POSTING		15.00
	7/20/16	UB3427	GB CASH POSTING		71.25
	7/20/16	UB3427	GB CASH POSTING		20.00
	7/21/16	UB3430	GB CASH POSTING		33.25
	7/21/16	UB3431	GB PENALTY CALC		2.69
	ACCOUNT TOTAL				1,132.67
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670-840-4502	GARBAGE BAGES				
	7/15/16	GL1526	DLOUHY	GARBAGE TAGS	12.50
	7/15/16	GL1526	MARTIN	GARBAGE TAGS	65.00
	7/15/16	GL1526	HUGHES	GARBAGE TAGS	130.00
	7/15/16	GL1526	THOMAS	GARBAGE TAGS	136.25
	7/15/16	GL1526	WEAVER	GARBAGE TAGS	130.00
	7/15/16	GL1526	BEAN	GARBAGE TAGS	130.00
	7/15/16	GL1526	THOMAS	GARBAGE TAGS	136.25
	7/15/16	GL1526	KADLECEK	GARBAGE TAGS	130.00
	7/15/16	GL1526	KARR	GARBAGE TAGS	71.25
	7/15/16	GL1526	WESTCOTT	GARBAGE TAGS	130.00
	7/15/16	GL1526	RESIDENT	GARBAGE TAGS	25.00
	7/15/16	GL1526	FITZMAURICE	GARBAGE TAGS	130.00
	7/15/16	UB3416	UNIQUE MC GL DIST PMT: GBTAG		142.50
	7/18/16	UB3421	UNIQUE MC GL DIST PMT: GBTAG		207.50

ACCOUNT NUMBER	ACCOUNT NAME	DATE	JOURNAL	RECEIVED FROM/ALPHA ID	RECEIPT NO REF/DESCRIPTION	AMOUNT
670-840-4502	GARBAGE BAGES					
		7/18/16	UB3423	UNIQUE MC GL DIST PMT: GBTAG		1,083.75
		7/18/16	UB3423	UNIQUE MC GL DIST PMT: GBTAG		6.25
		7/20/16	UB3425	UNIQUE MC GL DIST PMT: GBTAG		195.00
		7/20/16	UB3427	UNIQUE MC GL DIST PMT: GBTAG		272.50
		7/22/16	GL1529	RESIDENT	GARBAGE TAGS	1.25
		7/22/16	GL1529	GOODVIN	GARBAGE TAGS	65.00
		7/22/16	GL1529	GOODVIN	GARBAGE TAGS	65.00
		7/22/16	GL1529	BOWERS	GARBAGE TAGS	65.00
		7/22/16	GL1529	HILLIKER	GARBAGE TAGS	130.00
		7/22/16	GL1529	ADKINS	GARBAGE TAGS	65.00
		7/22/16	GL1529	RESIDENT	GARBAGE TAGS	12.50
		7/22/16	GL1529	RESIDENT	GARBAGE TAGS	5.00
		7/22/16	GL1529	KUEPKER	GARBAGE TAGS	130.00
		7/22/16	GL1529	KNUTSON	GARBAGE TAGS	65.00
		7/22/16	GL1529	RESIDENT	GARBAGE TAGS	5.00
		7/22/16	GL1529	PANTEL	GARBAGE TAGS	130.00
		7/22/16	GL1529	MARSH	GARBAGE TAGS	65.00
		7/22/16	GL1529	RESIDENT	GARBAGE TAGS	15.00
		7/22/16	GL1529	RESIDENT	GARBAGE TAGS	6.25
	ACCOUNT TOTAL					3,958.75
	REPORT TOTAL					42,086.03

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST GL ACCOUNT	CK SQ

HILLS BANK & TRUST GENERAL							
JUL16	1	7/25/16	7/25/16	1139 ALLIANT ENERGY/IPL 6329341000 1/2 FIRE STAT	113.53	1115 001-150-6371	1
	2			7476601000 STREET LIGHTS	874.31	001 001-230-6371	1
	3			6329341000 1/2 FIRE STAT	113.52	001 001-650-6371	1
	8			0100611000 SIREN	33.82	001 001-650-6371	1
	9			0854541000 MAINT BLDG	262.42	001 001-650-6371	1
	10			0071821000 SIGN LIGHT	19.81	001 001-650-6371	1
	11			7980511000 BALL PARK	407.76	001 001-650-6371	1
				INVOICE TOTAL	1,825.17		
JULY16	1	7/25/16	7/25/16	COM CENTER ELECTRIC	346.72	001 001-650-6371	1
				INVOICE TOTAL	346.72		
				VENDOR TOTAL	2,171.89		
JUL16	1	7/25/16	7/25/16	1419 BRIANNA HARRIS JULY 4TH CLEANUP	200.00	001 001-499-6440	1
				INVOICE TOTAL	200.00		
				VENDOR TOTAL	200.00		
JUL16	1	7/25/16	7/25/16	1007 BUSINESS RADIO EARPHONE	7.00	1115 001-150-6505	1
				INVOICE TOTAL	7.00		
				VENDOR TOTAL	7.00		
76844	1	7/25/16	7/25/16	1023 DANKO HYDRANT BAG	410.75	1115 001-150-6505	1
				INVOICE TOTAL	410.75		
				VENDOR TOTAL	410.75		
07082016	1	7/25/16	7/25/16	1046 GAZETTE COMMUNICATIONS PUBLIC HEARING NOTICE	20.05	001 001-650-6414	1
				INVOICE TOTAL	20.05		
07112016	1	7/25/16	7/25/16	MIN/JUNE REV/EXP	128.14	001 001-650-6414	1
				INVOICE TOTAL	128.14		
				VENDOR TOTAL	148.19		
JUL16	1	7/25/16	7/25/16	1068 I WIRELESS CELL PHONE	61.01	001 001-650-6373	1
				INVOICE TOTAL	61.01		
				VENDOR TOTAL	61.01		
182525	1	7/25/16	7/25/16	1088 IOWA ONE CALL LOCATES	36.00	001 001-650-6373	1
				INVOICE TOTAL	36.00		

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST GL ACCOUNT	CK SQ
VENDOR TOTAL					36.00		
JUL16	1	7/25/16	7/25/16	1130 MID AMERICAN ENERGY 7799078018 1/2 FIRE STAT	5.93	1115 001-150-6371	1
	2			77990-78018 1/2 FIRE STA	5.92	001 001-650-6371	1
	3			7715078014 CLERK	12.81	001 001-650-6371	1
INVOICE TOTAL					24.66		
JULY16	1	7/25/16	7/25/16	8240078010 COM CENTER	12.15	001 001-650-6371	1
INVOICE TOTAL					12.15		
VENDOR TOTAL					36.81		
JUL16	1	7/25/16	7/25/16	1198 STAPLES TONER/INK	257.96	1115 001-150-6505	1
	2			CALCULATOR	24.99	001 001-650-6506	1
INVOICE TOTAL					282.95		
VENDOR TOTAL					282.95		
112171	1	7/25/16	7/25/16	1347 STAR LEASING L.L.C. COPIER LEASE	106.48	001 001-650-6504	1
INVOICE TOTAL					106.48		
VENDOR TOTAL					106.48		
405643	1	7/25/16	7/25/16	1376 STOREY KENWORTHY CHECKS	183.35	001 001-650-6506	1
INVOICE TOTAL					183.35		
VENDOR TOTAL					183.35		
32219	1	7/25/16	7/25/16	1203 STUTSMAN INC FUEL	97.17	1115 001-150-6331	1
INVOICE TOTAL					97.17		
VENDOR TOTAL					97.17		
GENERAL					3,741.60		
ROAD USE TAX							
110119	1	7/25/16	7/25/16	1187 RIVER PRODUCTS ROADSTONE	26.40	110 110-210-6417	1
INVOICE TOTAL					26.40		
VENDOR TOTAL					26.40		
32220	1	7/25/16	7/25/16	1203 STUTSMAN INC FUEL	51.17	110 110-210-6331	1
INVOICE TOTAL					51.17		
VENDOR TOTAL					51.17		

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST	GL	ACCOUNT	CK SQ	
				ROAD USE TAX	77.57					
				WATER						
JUL16	5	7/25/16	7/25/16	1139 ALLIANT ENERGY/IPL 0111390000 WELL	28.77	600		600-810-6371	1	
	12			6651001000 WELL	428.68	600		600-810-6371	1	
	13			6311341000 TREATMENT PLA	1,058.69	600		600-810-6371	1	
				INVOICE TOTAL	1,516.14					
				VENDOR TOTAL	1,516.14					
JUL16	4	7/25/16	7/25/16	1130 MID AMERICAN ENERGY 1613096017 TREATMENT PLA	10.39	600		600-810-6371	1	
	5			0882108014 WELL	11.36	600		600-810-6371	1	
				INVOICE TOTAL	21.75					
				VENDOR TOTAL	21.75					
82278	1	7/25/16	7/25/16	1289 STATE HYGIENIC LABORATORY WATER TESTS	12.50	600		600-810-6380	1	
				INVOICE TOTAL	12.50					
84430	1	7/25/16	7/25/16	WATER TESTS	12.50	600		600-810-6380	1	
				INVOICE TOTAL	12.50					
				VENDOR TOTAL	25.00					
				WATER	1,562.89					
				SEWER						
JUL16	4	7/25/16	7/25/16	1139 ALLIANT ENERGY/IPL 2997301000 4TH LIFT STAT	322.94	610		610-815-6371	1	
	6			2683821000 LAGOON	1,067.26	610		610-815-6371	1	
	7			1674001000 OAK LIFT STAT	54.61	610		610-815-6371	1	
				INVOICE TOTAL	1,444.81					
				VENDOR TOTAL	1,444.81					
JULY16	1	7/25/16	7/25/16	1421 APPRAISAL ASSOCIATES COMPANY SCHOTT APPRAISAL	1,000.00	610		610-815-6490	1	
	2			CLAUSEN APPRAISAL	1,500.00	610		610-815-6490	1	
				INVOICE TOTAL	2,500.00					
				VENDOR TOTAL	2,500.00					
26449S	1	7/25/16	7/25/16	1015 CITY SEWER SERVICE SEWER REPAIR 320 OAK	333.90	610		610-815-6320	1	
				INVOICE TOTAL	333.90					
				VENDOR TOTAL	333.90					
				1032 ELECTRIC PUMP						

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST	GL	ACCOUNT	CK SQ
0869662	1	7/25/16	7/25/16	1032 ELECTRIC PUMP SEWER	35.51	610		610-815-6350	1
				INVOICE TOTAL	35.51				
				VENDOR TOTAL	35.51				
1Z05634	1	7/25/16	7/25/16	1287 KEYSTONE LABORATORIES SEWER TESTS	58.68	610		610-815-6380	1
				INVOICE TOTAL	58.68				
1Z05918	1	7/25/16	7/25/16	SEWER TESTS	89.38	610		610-815-6380	1
				INVOICE TOTAL	89.38				
				VENDOR TOTAL	148.06				
JUL16	1	7/25/16	7/25/16	1420 MRS APPRAISALS LC CLAUSEN APPRAISAL	2,000.00	610		610-815-6490	1
	2			SCHOTT APPRAISAL	2,000.00	610		610-815-6490	1
				INVOICE TOTAL	4,000.00				
				VENDOR TOTAL	4,000.00				
				SEWER	8,462.28				
				HILLS BANK & TRUST TOTAL	13,844.34				
				TOTAL MANUAL CHECKS	.00				
				TOTAL E-PAYMENTS	.00				
				TOTAL PURCH CARDS	.00				
				TOTAL ACH PAYMENTS	.00				
				TOTAL OPEN PAYMENTS	13,844.34				
				GRAND TOTALS	13,844.34				

DRAFT



Date: July 1st, 2016

To: Tim Kemp; Mayor, City of Hills
Cathy Fitzmaurice-Hill; City Clerk, City of Hills

From: Darian Nagle-Gamm; Sr. Transportation Engineering Planner

Re: Hills Elementary School Crossing Evaluation

You asked the MPO to evaluate the Hills Elementary School area pedestrian crossings and signage. Included in this memo is an inventory of the school crossing signage, pavement markings, sidewalks, and a summary of vehicular traffic speed and volume near the school crossings. We have recommended updates to school crossing signage to comply with the Manual on Uniform Traffic Control Devices (MUTCD) and also provided some additional traffic calming/pedestrian facility options for consideration.

Background

Hills Elementary School is located at 301 Main Street in Hills, to the west of the downtown area and adjacent to the Hills City Park. There are two designated school crossings for the Hills Elementary. The first is located in front of the school on Main Street as shown in **Figure 1** and **Figure 2**. The second school crossing is located at the intersection of Main Street and East Avenue, just east of the downtown area as shown in **Figure 3** and **Figure 4**.

School Crossing #1: This location has a marked crosswalk with continental pavement markings, detectable warning devices, sidewalk extensions to the park on the east (south side of road) and to Oak Ridge Avenue on the west (north side of road). There is SCHOOL CROSSING signage with downward arrows at the crossing, and advanced SCHOOL CROSSING signage to the east and west of the school (missing AHEAD supplemental signs). At this time, there are no sidewalks on Oak Ridge Avenue, Aspen Lane, or on the north side of Main Street between Aspen Lane and the school crossing. Visibility is good to the east and the west.

Figure 1: Existing Signage: Hills Elementary School Crossing #1 (at school)

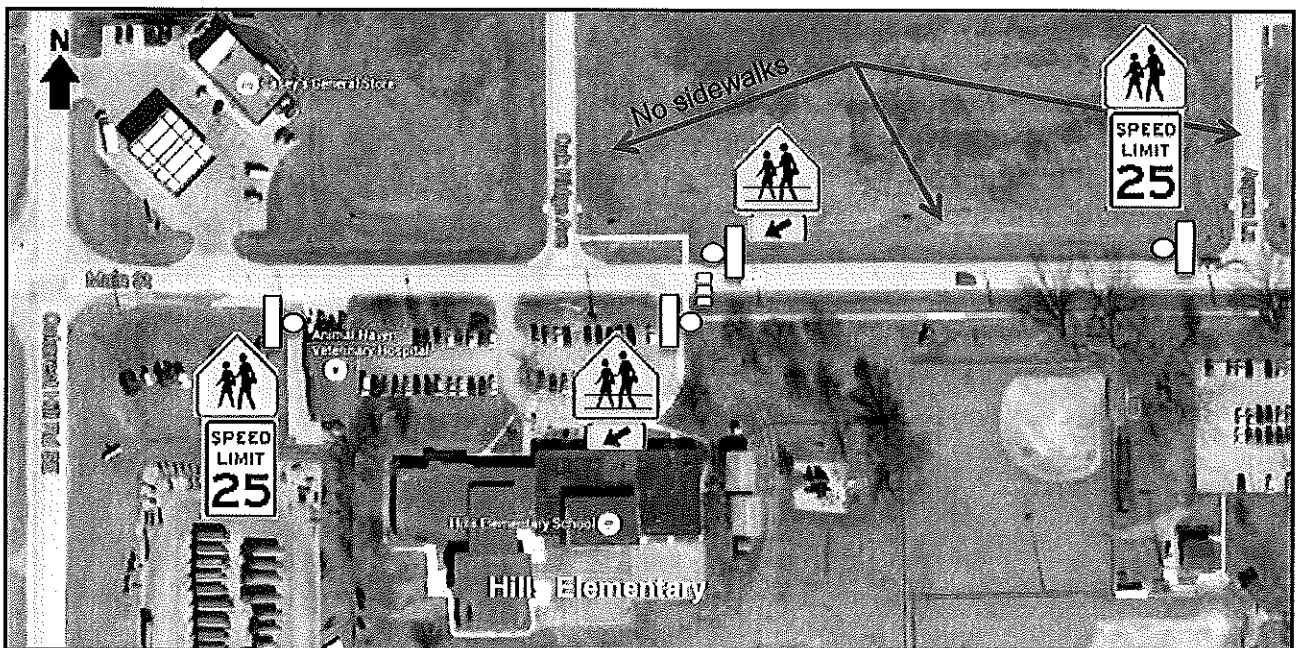
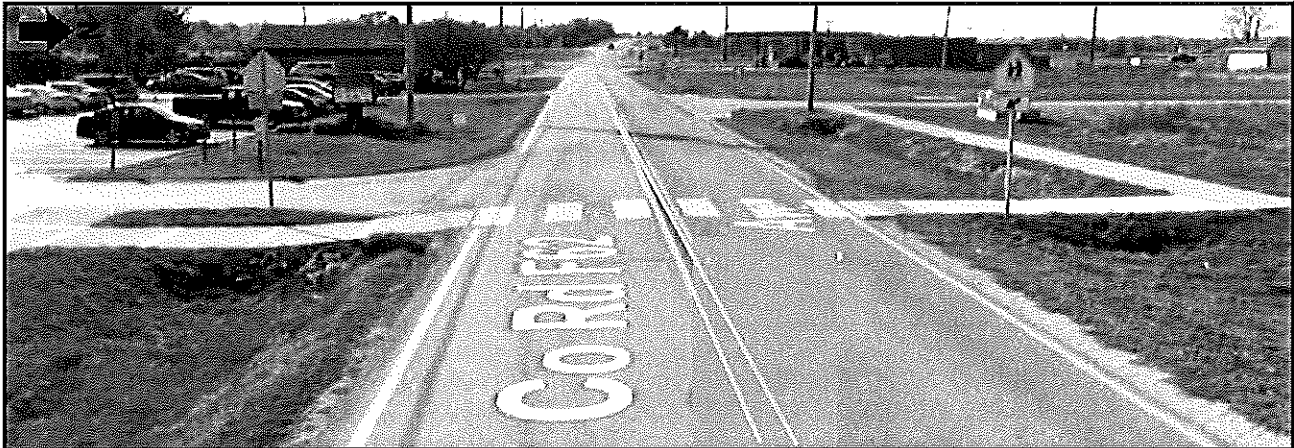


Figure 2: Close up: Hills Elementary School Crossing #1 (at school, looking west)



School Crossing #2 (Main Street / East Avenue): This location has a marked crosswalk with continental pavement marking and sidewalk extensions to the north and south. There is SCHOOL CROSSING signage at the crosswalk for westbound traffic (no downward arrow), however there is no SCHOOL CROSSING signage for eastbound traffic. There is an advanced SCHOOL CROSSING assembly for westbound traffic that is missing an AHEAD supplemental sign. There is no advanced SCHOOL CROSSING assembly for eastbound traffic. Visibility is reasonably good to the east and to the west.

Figure 3: Existing Signage: Hills Elementary School Crossing #2 (Main Street & East Avenue)

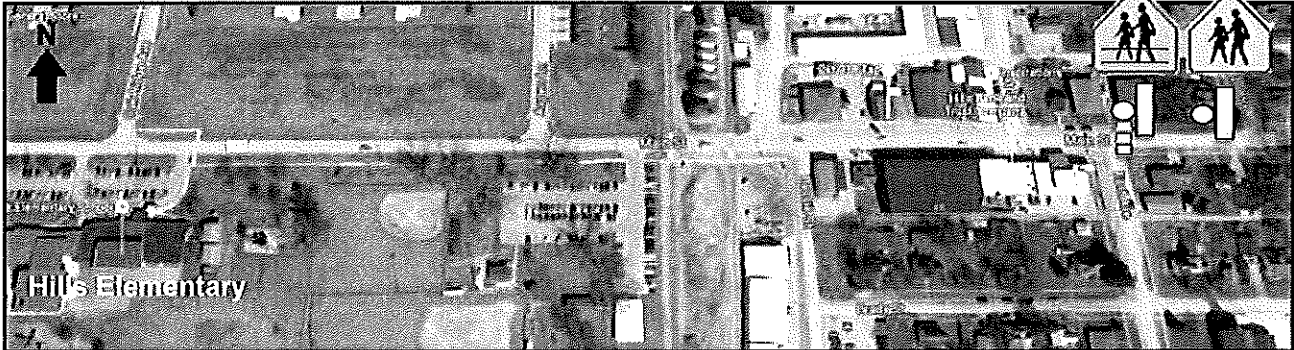
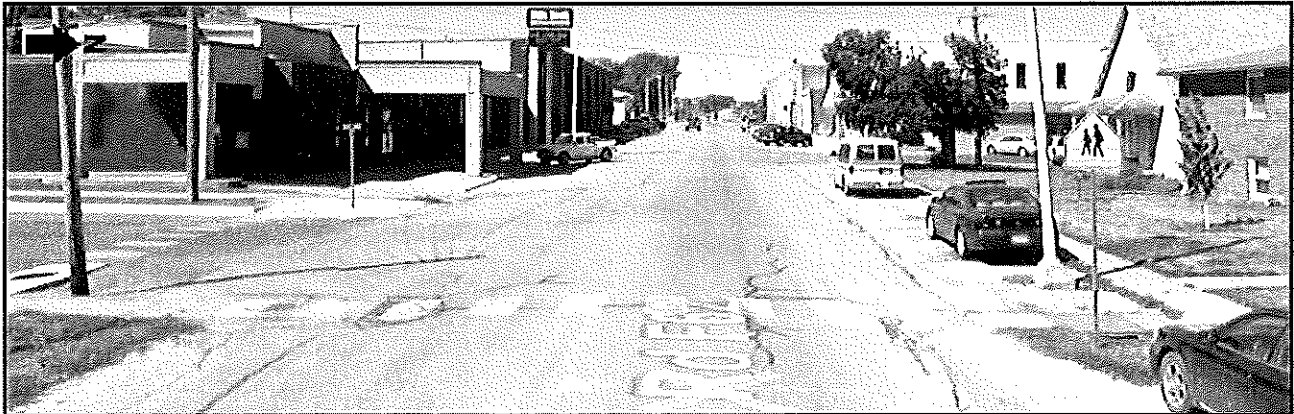


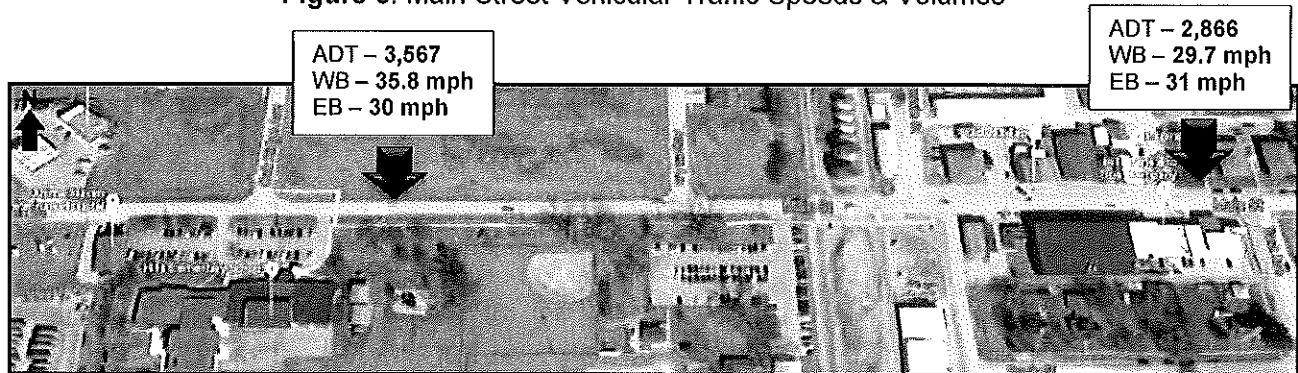
Figure 4: Close up: Hills Elementary School Crossing #2 (Main St / East Avenue, looking west)



Traffic Speeds and Volumes

Staff collected traffic speed and volume data at two locations on Main Street from May 3rd – 6th, 2016 as shown in Figure 5. The posted speed limit on Main Street is 25 mph. The 85th percentile speed of traffic near Hills Elementary is 35.8 mph for westbound traffic and 30 mph for eastbound traffic. Average daily traffic (ADT) near the school is 3,567. Main Street between 1st Street and East Avenue has an ADT of 2,866 with an 85th percentile speed of 29.7 mph for westbound traffic and 31 mph for eastbound traffic. The higher speeds near the Elementary School can be attributed to the relatively open feel of the road and lack of adjacent development.

Figure 5: Main Street Vehicular Traffic Speeds & Volumes



Conclusion and Recommendations

85th percentile traffic speeds near the school were recorded between 5-10 mph over the speed limit. As drivers tend to adopt a speed they feel comfortable driving at a given location (unless enforcement efforts are enhanced or additional traffic calming measures are deployed), traffic speeds near the school are likely to remain the same until more development occurs on the north side of Main Street between Aspen Lane and Casey's. While 85th percentile speeds eastbound are consistently 30 mph on Main Street from the school through downtown, westbound 85th percentile speeds are 31 mph on the east end of downtown and increase to 35.8 mph near the school. The transition from a downtown area to a less developed area contributes to increasing speeds for westbound traffic.

Staff recommendations are outlined below:

- 1) Bring SCHOOL CROSSING signage in compliance with MUTCD (Manual on Uniform Traffic Control Devices) standards.

School Crossing #1 – At School

- The *advanced* S1-1 36 x 36 fluorescent SCHOOL CROSSING signs near the Casey's driveway (for eastbound traffic) and near Aspen Lane (for westbound traffic) require replacement due to age and the degradation of retroreflectivity. Add new 24 x 12 high-visibility fluorescent W16-9P AHEAD signs below existing signs. The SCHOOL CROSSING signs at the crosswalk appear to be in good condition; however they include parallel crosswalk lines, which are out of compliance with the MUTCD. As replacement becomes necessary, the SCHOOL CROSSING signs should be updated with S1-1 36 x 36 fluorescent SCHOOL CROSSING signs *without* parallel crosswalk lines.

School Crossing #2 – Main Street / East Avenue

- Replace existing SCHOOL CROSSING sign on the northeast corner of the intersection with a new S1-1 36 x 36 fluorescent SCHOOL CROSSING sign *without* crosswalk lines as they are no

longer MUTCD compliant. Add a 24 x 12 W16-7P fluorescent DOWNWARD DIAGONAL ARROW below the new SCHOOL CROSSING sign.

- Install a 36 x 36 S1-1 fluorescent SCHOOL CROSSING sign (with no crosswalk lines) and a fluorescent 24 x 12 W16-7P DOWNWARD DIAGONAL ARROW for eastbound traffic. Typically SCHOOL CROSSING signage is installed just prior (west) of the crosswalk; however right-of-way at this particular location may require the school crossing assembly be installed just east of the crosswalk. This difference should be imperceptible from a driver perspective.
 - On the south side of the Main Street, west of the First Street intersection, install an advanced 36 x 36 S1-1 fluorescent SCHOOL CROSSING sign with a 24 x 12 fluorescent W16-9P AHEAD sign for eastbound traffic. This requires installing a new pole on the sidewalk or banding the signs to an existing post/pole.
 - At the Main Street / Second Street intersection, install a 24 x 12 fluorescent W16-9P AHEAD sign below existing advanced SCHOOL CROSSING sign.
- 2) Continental crosswalks should be repainted before the beginning of the 2016 – 2017 school year, and at least once per year going forward to maintain maximum visibility.
- 3) Extending sidewalks southward on Oak Ridge Avenue and Aspen Lane and adding sidewalks on the north side of Main Street between the school crossing and Aspen Lane school would enhance pedestrian access to the school from the new subdivision to the north of Main Street.

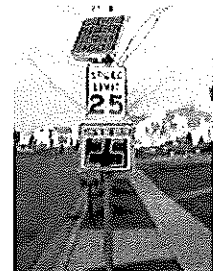
Additional Options

Additional options could be considered to help increase rates of vehicles yielding to pedestrians or help decrease the speed of vehicular traffic near the school crossings.

To decrease the rate of vehicular speeds near of the school, the following are additional measures that could be employed:

1. Install Radar Feedback Sign

A radar feedback sign (shown right) could be installed to remind drivers of their speed relative to the speed limit. These are effective at spot-reducing speeds at particular locations, such as school crossings.



2. Establish 20 mph School Speed Zone Limit

Hills could designate a school zone speed limit of 20 mph in front of the elementary school. To maximize compliance, we recommend posting the timeframes where children are most often present: 7 AM – 9 AM and 1:30 PM – 3:30 PM. The signs could also be purchased as solar powered "blinker" signs (signs that are outlined with LED lights) programmed to blink during specific timeframes on school days only, which could also help improve compliance.



3. Install Raised Crosswalk

A raised crosswalk is a traffic calming device akin to a speed hump with a flat top. The flat top allows for a crosswalk. They should be designed to be traversed at or near the speed limit.



4. Additional Police Enforcement

Additional patrolling of the school zone, especially during the beginning and

end of the school days, can help remind drivers to be cognizant of speeds near the school. The effects, however, do not typically last without persistent enforcement.

To increase the rates of vehicles yielding to pedestrians at a school crossing, the following are additional measures that could be employed:

1. (R1-6) Fluorescent in-street STATE LAW YIELD TO PEDESTRIAN signs with (S4-3P) SCHOOL supplemental sign installed could be on the pavement centerline at the crosswalk.

These signs are installed in the middle of the street at the crosswalk which makes them highly visible to drivers. They increase yielding rates when pedestrians are present and can also have a "traffic calming" effect when pedestrians are not present, as drivers tend to slow near the signage. A drawback is that they can be damaged by vehicles and require occasional replacement.



2. Rectangular Rapid-Flashing Beacon

These are pedestrian activated (push button) flashing lights posted on SCHOOL CROSSING assemblies to warn drivers that pedestrians are present and are preparing to cross the street. These can increase the number of drivers that yield to pedestrians at the curb.



3. School Crossing Guards

School crossing guards are another way to provide a safe crossing for school children. The guards create gaps in traffic by entering the roadway with a handheld STOP sign, shepherding children across the road, and allowing vehicles to proceed after school children have safely crossed.

Please let me know if you have any questions or comments on this study or if you need any additional information addressed within this report. I can be reached at Darian-Nagle-Gamm@Iowa-City.org or at 319-356-5254.

NUTRI-JECT SYSTEMS, INC.

515 FIFTH STREET - PO BOX 398 - HUDSON, IOWA 50643

Phone: 319-988-4205 Fax: 319-988-3506

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QUOTATION FOR:	Fox Engineering Associates, Inc. 414 South 17 th . St. Suite 107 Ames, IA 50010 Attn: Steve Troyer, P.E. Phone: 515-233-0000	DATE OF QUOTE:	7-19-16
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WE ARE PLEASED TO SUBMIT A QUOTATION FOR THE FOLLOWING:

Hills, IA Sludge Judging

We propose to provide material, labor and equipment needed to sound and survey the (2) two aerated lagoon cells located at the Hills, IA WWTP.

Our services to include sludge judging of the lagoon and the collection of representative samples from the cell for analysis, written reports of our findings, detailing depths of solids Vs water depth, the percent of capacity reduction, and recommendations for any clean up needed and cost estimates. Sludge judging will be completed on a grid sampling basis at 50.0' intervals which will allow for accurate analysis of the entire lagoons contents. Samples will be pulled from all sample points, from these sample points a composite will be made for analysis of the regulated constituents. A total of seven samples will be pulled from the lagoons to allow for completion of the fecal coliform test and to determine the geo metric mean of those samples per the USEPA/IDNR.

Samples will be collected and analyzed for the following by a IDNR approved laboratory for the regulated constituents, Nitrogen, Phosphorus, Potassium, Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, Mercury, Molybdenum, Selenium, and Zinc as well as for fecal coliform and a sour test. The final survey report will indicate the location of the collected samples.

Our cost is as follows for sludge judging and sample collection.....\$1,750.00 lump sum.

Analysis (if requested).....\$ 950.00 lump sum.

This quote is good for 30 days. Please let us know of your intentions so that we may schedule accordingly.

Quantities shown are estimated and not guaranteed; they are solely for establishing the initial unit price for the services listed above. Final charges will be based on actual quantities.

TERMS: 15 DAYS

DELIVERY: AS SCHEDULED

CUSTOMER'S NAME:

NUTRI-JECT SYSTEMS, INC.

By:



Date:

R. Scott Wienands, President

This quotation becomes a contract for delivery and payment of the merchandise listed above only when signed by the customer or one of its officers.

