IOWA DEPARTMENT OF TRANSPORTATION Cooperative Agreement For Primary Road Project

County	Jasper
City	Prairie City
Project No.	STP-117-1(33)2J-50
Iowa DOT	
Agreement No.	2022-16-048
Staff Action No.	N/A

This Agreement, is entered into by and between the lowa Department of Transportation, hereinafter designated the "DOT", and Prairie City, Iowa, a Local Public Agency, hereafter designated the "LPA" in accordance with Iowa Code Chapters 28E, 306, 306A and 313.4 as applicable;

The LPA proposes to establish or make improvements to Iowa 117 within Jasper County, Iowa; and

The LPA and the DOT are willing to jointly participate in said project, in the manner hereinafter provided; and

This Agreement reflects the current concept of this project which is subject to modification by mutual agreement between the LPA and the DOT; and

Therefore, it is agreed as follows:

1. Project Information

- a. The LPA shall be the lead local governmental agency for carrying out the provisions of this agreement.
- b. All notices required under this agreement shall be made in writing to the DOT's and/or the LPA's contact person. The DOT's contact person shall be Allison Smyth, P.E., Assistant District 1 Engineer. The LPA's contact person shall be Jodie Wyman, City Administrator.
- c. The LPA shall be responsible for the development and completion of the following described primary highway project:

Hot Mix Asphalt (HMA) resurfacing with Cold In Place (CIP) recycling on Iowa 117 from north of East 2nd Street in Prairie City to County Road F48 in Colfax. See Exhibit A for location.

2. Project Costs

- a. The LPA shall reimburse the DOT for its share of the project costs estimated at \$49,415, as shown in Exhibit A. The amount paid by the LPA upon completion of construction and proper billing by the DOT will be determined by the actual quantities in place and the accepted bid at the contract letting.
- b. The LPA will bear all costs except those allocated to the DOT under other terms of this Agreement.

3. Environmental, Right-of-Way, Permits and Other Requirements

a. The LPA shall be responsible for obtaining any necessary permits from the DOT, such as the Work Within the Right-of-Way Permit, Access Connection/Entrance Permit, Utility Accommodation Permit, Application for Approval of a Traffic Control Device, or other construction permits required for the

- project prior to the start of construction. Neither the approval of funding nor the signing of this Agreement shall be construed as approval of any required permit from the DOT.
- b. If there is a railroad crossing within or near the project work area, the LPA shall obtain the necessary approvals or agreements from the railroad to allow the proposed work to be completed on or around the railroad crossing and / or right-of-way.
- c. If the project requires utility relocations, subject to the approval of and without expense to the DOT, the LPA agrees to perform or cause to be performed all relocations, alterations, adjustments or removals of existing utility facilities, including but not limited to power, telephone lines, fiber optics lines, natural gas pipelines, water mains and hydrants, curb boxes, utility accesses, storm water intakes, sanitary sewers, and related poles, installations and appurtenances, whether privately or publicly owned, and all parking meters, traffic signals and other facilities or obstructions which are located within the limits of an established street or alley and which will interfere with construction of the project and the clear zone. All utility relocations shall be accomplished in accordance with the DOT's Utility Accommodation Policy, as set forth in 761 lowa Administrative Code, Chapter 115.
- d. If the LPA has completed a Flood Insurance Study (FIS) for an area which is affected by the proposed Primary Highway project and the FIS is modified, amended or revised in an area affected by the project after the date of this Agreement, the LPA shall promptly provide notice of the modification, amendment or revision to the DOT. If the LPA does not have a detailed Flood Insurance Study (FIS) for an area which is affected by the proposed Primary Highway project and the LPA does adopt an FIS in an area affected by the project after the date of this Agreement, the LPA shall promptly provide notice of the FIS to the DOT.

4. Project Design

- a. The LPA or its consultant shall be responsible for the design of all proposed improvements.
- b. The project plans, specifications and engineer's cost estimate shall be prepared and certified by a Professional Engineer licensed to practice in the State of lowa.
- c. All proposed highway or street improvements shall be designed using good engineering judgment and the American Association of State Highway and Transportation Officials (AASHTO) "Policy on Geometric Design of Highways and Streets", (latest edition).
- d. The project design shall comply with the "Manual on Uniform Traffic Control Devices for Streets and Highways", by the Federal Highway Administration, as adopted by DOT, as per 761 lowa Administrative Code, Chapter 130.

5. Bid Letting

- a. The LPA shall submit the plans, specifications, estimate, and all other contract documents for review by the DOT. The project may be submitted for letting in phases, in the order of preference as determined by the LPA. All plan submittals shall be in accordance with the Major Project schedule, as shown on the Instructional Memorandum to Local Public Agencies 3.010, Project Development Submittal Dates and Information, published by the DOT's Local Systems Bureau.
- b. The project will be let by the DOT in accordance with its normal letting procedures. As a condition for the DOT to let the project, the LPA agrees that the LPA has the financial resources to proceed with the project if bids submitted are 110% of the project cost estimate or less. If the LPA is a city, the LPA shall comply with the public hearing requirements of the lowa Code section 26.12.

- c. When let by the DOT, the DOT will identify the lowest responsive bidder. When bids submitted are more than 110% of the project cost estimate, the DOT will provide an electronic tabulation of responsive bids to the LPA for concurrence. The LPA shall either take action to accept the award to the lowest responsive bidder or reject all bids. The LPA shall provide such confirmation by email. Following LPA concurrence in the award of contract, the DOT shall execute the contract.
- d. The DOT shall be the contracting authority for the project.

6. Construction & Maintenance

- a. The DOT shall be responsible for the daily inspection of the project, including the compilation of a daily log of materials, equipment, and labor used on the project.
- b. The work on this project shall be in accordance with the approved plans and specifications. Any substantial modification of these plans and specifications must be approved by the DOT prior to the modification being put into effect.
- c. With the exception of service connections no new or future utility occupancy of project right-of-way, nor any future relocations of or alterations to existing utilities within said right-of-way (except service connections), will be permitted or undertaken by the LPA without the prior written approval of the DOT. All work will be performed in accordance with the Utility Accommodation Policy and other applicable requirements of the DOT.
- d. Upon completion of the project, no changes in the physical features thereof will be undertaken or permitted without the prior written approval of the DOT.
- e. Future maintenance of the primary highway within the project area will be carried out in accordance with the terms and conditions contained in 761 Iowa Administrative Code Chapter 150.

7. Traffic Control

- a. Iowa 117 through-traffic will be maintained during the construction.
- b. Traffic control devices, signing, or pavement markings installed within the limits of this project shall conform to the "Manual on Uniform Traffic Control Devices for Streets and Highways" as per 761 lowa Administrative Code, Chapter 130. The safety of the general public shall be assured through the use of proper protective measures and devices such as fences, barricades, signs, flood lighting, and warning lights as necessary.

8. Payments and Reimbursements

a. The DOT will make initial payments to the consultant(s) and contractor(s) for construction costs from the Primary Road Fund. Upon completion of the project, the LPA shall reimburse the DOT for its share of the project costs. Reimbursement will be provided to the DOT either by a warrant or voucher from the LPA, or by crediting the Primary Road Fund from the funding sources provided to the LPA by this agreement.

9. General Provisions

a. The LPA shall maintain records, documents, and other evidence in support of the work performed under the terms of this agreement. All accounting practices applied and all records maintained will be in accordance with generally accepted accounting principles and procedures. Documentation shall be made available for inspection and audit by authorized representatives of the DOT and / or the Federal

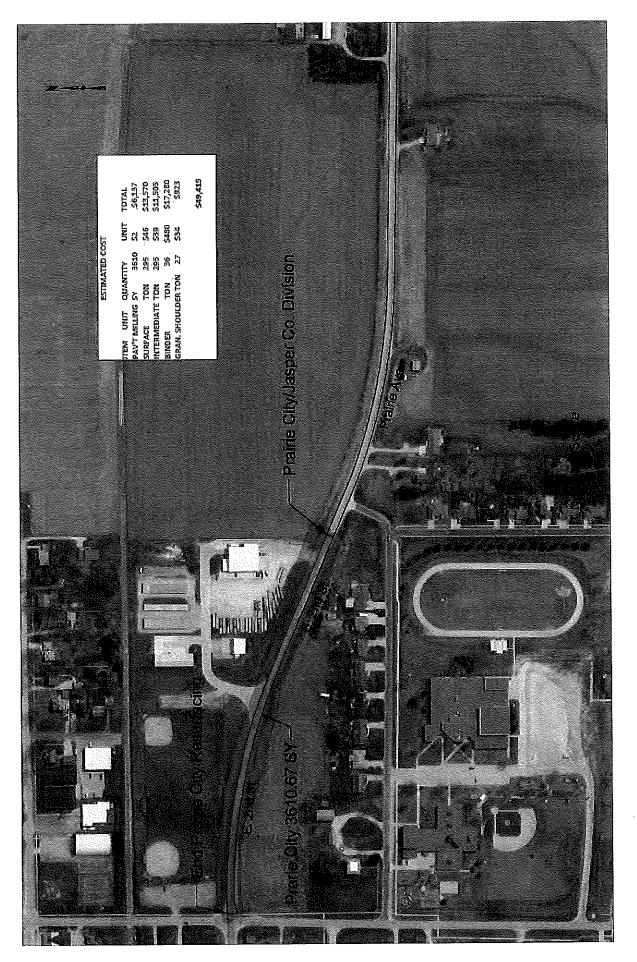
Highway Administration (FHWA), or their designees at all reasonable times. The LPA shall provide copies of said records and documents to the DOT upon request. The LPA shall also require its contractors to permit authorized representatives of the DOT and / or the FHWA to inspect all work materials, records, and any other data with regard to agreement related costs, revenues and operating sources. Such documents shall be retained for at least 3 years from the date of FHWA approval of the final amendment / modification to the project in the FHWA's Fiscal Management Information System (FMIS). Upon receipt of such approval by FHWA, the DOT will notify the LPA of the record retention date.

- b. In accordance with Title VI of the Civil Rights Acts of 1964 and lowa Code Chapter 216 and associated subsequent nondiscrimination laws, regulations and executive orders, the LPA shall not discriminate against any person on the basis of race, color, creed, age, sex, sexual orientation, gender identity, national origin, religion, pregnancy, or disability.
- c. The LPA agrees to indemnify, defend and hold the DOT harmless from any action or liability arising out of the design, construction, maintenance, placement of traffic control devices, inspection, or use of this project. This agreement to indemnify, defend and hold harmless applies to all aspects of the DOT's application review and approval process, plan and construction reviews, and funding participation.
- d. If any part of this agreement is found to be void and unenforceable then the remaining provisions of this agreement shall remain in effect.
- e. This agreement is not assignable without the prior written consent of the DOT.
- f. It is the intent of both parties that no third party beneficiaries be created by this Agreement.
- g. In case of dispute concerning the terms of this agreement, the parties shall submit the matter to arbitration pursuant to lowa Code Chapter 679A. Either party has the right to submit the matter to arbitration after ten (10) days notice to the other party of their intent to seek arbitration. The written notice must include a precise statement of the disputed question. The DOT and the LPA agree to be bound by the decision of the appointed arbitrator. Neither party may seek any remedy with the State or Federal courts absent exhaustion of the provisions of this paragraph for arbitration.
- h. This Agreement may be executed in (two) counterparts, each of which so executed will be deemed to be an original.
- i. This Agreement, as well as the unaffected provisions of any previous agreement(s), addendum(s), and/or amendment(s); represents the entire Agreement between the LPA and DOT regarding this project. All previously executed agreements will remain in effect except as amended herein. Any subsequent change or modification to the terms of this Agreement will be in the form of a duly executed amendment to this document.

IN WITNESS WHEREOF, each of the parties hereto has executed Agreement No. 2022-16-048 as of the date shown opposite its signature below.

CITY OF PRAIRIE CITY:

Ву:		Date		_, 20
	Mayor			
l,	, certif	y that I am the Clerk o	f the City, and that	1
who :	signed said Agreement for and or	behalf of the City was	s duly authorized to exe	cute the same on the
day c	of, 20			
Signe	ed:			
	City Clerk of Prairie City, Iowa			
IOW	A DEPARTMENT OF TRANSPOR	RTATION:		
	Conv. I. Cuetafaan D.E.	Date		20
	ony J. Gustafson, P.E. District Engineer			
	District 1			



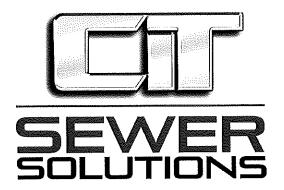




The City is developing a new website, and we want you to help us capture the best of Prairie City! Grab your cameras will be eligible for City use on the new website. Council will choose the best of each category, and winners will be and venture out to get the perfect shot! Submit photos via email by noon Wednesday, January 12th. All photos submitted announced via Facebook on Thursday, January 13th. Claim your prize by coming to City Hall during office hours.

Photograph Release Form

photos have been taken by r purpose, including but not li	reby grant permission to the City of Prairie City ("City") to reproduce isted below and/or or attached to this form. I acknowledge that the me and that City is granted permission to use the photo(s) for any mited to, on the City website without compensation or recognition trant creative permission to alter the photograph(s).
Permission granted for photo	graphs listed below:
Date taken	Picture or bundle description
Date taken	Picture or bundle description
Date taken	Picture or bundle description
Signature:	Date Signed:
Printed Name:	
Address:	



PO Box 203 Mc Callsburg, IA 50154 Phone:515-434-2248 Fax:515-434-2249 www.citsewer.com

Three-year sewer maintenance contract

The City of Prairie City hereby enters into a three-year contract with CIT Sewer Solutions to maintain the sewers of the City of Prairie by use of CIT's equipment for the duration of a three-year period at frozen prices, according to the following terms.

- 1. CIT will clean and televise the sanitary sewer with the intent of completing the entire collection system over a 3-year period.
- 2. The City will furnish a sewer map, the necessary water, expose all manhole lids, provide a disposal area for debris removed and furnish legal access to all manholes.
- 3. Should CIT's equipment (hose, camera, cleaners, nozzles, etc.) become lodged during attempts to perform duties specified by the customer, all costs associated with the removal and replacement of equipment will be the responsibility of the customer.
- 4. CIT agrees to furnish all equipment, manpower, insurance, and other incidentals necessary to complete project. All services will be performed by experienced workmen in a neat and orderly manner. It is the responsibility of CIT to be compliant with all applicable OSHA regulations.
- 5. It will be the responsibility of the City to notify us of any stoppages that occur in lines cleaned and televised the previous year so that any such stoppage may be cleaned or televised by CIT without charge.
- 6. Complete records, maps and other information will be kept by CIT with a copy available to the City upon request. A summary report will be given to the City at the completion of each job along with a flash drive if televised.
- 7. The time and performance of this contract, such as frequency of cleaning, methods used, and extent of cleaning necessary, will be determined by actual conditions found. The areas of the sewers to be maintained each year will be determined from discussions between CIT representative, and the City's representative at a time preceding each year's work.

8. Prices are guaranteed to the City for services during the 3-year agreement.

	3-year contract pricing for Prairie City, Iowa from December 2021-2024	Price	
	your contract prioring for realist city, form from Becomes 2021 2021	Per Unit	Unit
a.	Jet/Vac Cleaning 8" – 12" (two passes or less)	\$0.90	FT
	Jet/Vac Cleaning with Easement Machine 8" – 12" (two passes or less)	\$1.50	FT
	Jet/Vac Cleaning 15" – 18" (two passes or less)	\$1.15	FT
	Jet/Vac Cleaning with Easement Machine 15" – 18" (two passes or less)	\$1.80	FT
	Jet/Vac Cleaning – Heavy Cleaning (3 or more passes)	\$325	HR
b.	Hydro Root Sawing	\$1.05	FT
c.	CCTV Inspection (PACP Reports, Rehabilitation Recommendation Report and flash drive included)	\$1.10	FT
	CCTV Lateral Launch inspection	\$300	EA
d.	Vacuum Cleaning (lift stations, catch basins, storage tanks, etc.)	\$350	HR
e.	Smoke Testing	\$0.60	FT
	Robotic Cutting	\$450	HR
f.	Emergency Calls Jet/Vac cleaning – Port to Port and one technician	\$450	HR
	CCTV Inspection – Port to Port and one technician	\$450	HR
	Additional required technicians	\$80	HR
g.	Mobilization (per truck per trip)	\$480	EA

Idle Time - \$300/hour - Time exceeding 20 min for water fill, debris disposal, customer representative authorizations or other factors not related to CIT's responsibilities while performing agreed job scope will be considered Idle Time and shall be charged at a prorated rate once that limit is exceeded.

Investigative work - \$350/truck/hour - prorated for actual time worked in 15 min increments.

- 9. Total work to be performed yearly by CIT will be a minimum amount of \$20,000.00 per year. This work may be a combination of any of the services offered. The City will only be invoiced for work performed each year at the contract rates above. If unforeseen expenses prevent the City from meeting the minimum amount on a given year, CIT would kindly request that the remaining amount is added to the following years work.
- 10. The minimum amount of pre-scheduled work to be performed will be \$1,200.00 per visit.

- 11. Examples of work requiring additional personnel include (but are not limited to) off-road manholes more than 50 feet from hard-surfaced access, pits, lift stations, and wet wells. Any emergency call taking place during normal working hours (Monday-Friday 7:00a.m. to 5:00 p.m.) requires the entire crew of a pre-scheduled jobsite to be rerouted, and as such the additional technician surcharge will be added automatically for each extra member of the crew that is dispatched.
- 12. Payment will be made at the unit prices as per contract. Request for any additional work not included in the provisions of this contract will be negotiated between Customer and CIT via change order.
- 13. Customer will pay CIT in full for all completed work within 60 days of CIT invoice date. 2% interest will be charged on any unpaid balance over 60 days from date of invoice. 25% surcharge fee on legal and/or collection fee to collect delinquent invoices.
- 14. If at any time in the 3-year contract period, either the City of Prairie City or CIT wishes to terminate the contract, either party may do so by giving thirty (30) days written notice.

Mayor	City Scheduling Contact
Phone Number	Phone Number
Those I vanioes	Thome Panaloes
This contract period extends from 12/21 to 12/24.	
Agreement dated this day of, 20	
CIT Sewer Solutions	City Official (Authorized to Sign)
Attest	Attest



City of Prairie City, IA

CLIENT LIAISON:

Andrew Inhelder, PE Phone: 515-635-3403 ainhelder@msa-ps.com DATE:

December 1, 2021

TASK ORDER #9 - 2021 GENERAL ENGINEERING SERVICES

Based on discussions with the City, there is a desire to have MSA provide general engineering services on a time and expense basis with a not to exceed number. This agreement would be for any minor engineering related services that come in front of the City that MSA would assist with. Such as, but not limited to, site plan reviews, cost estimating, utility mapping, engineering reviews, and other general engineering services that are authorized through written communication with the City. Any larger projects that come to light would be approached with a separate task order as done in the past.

IN PROGRESS

Prairie Point Plat 1 – Townhomes & Apartments along State Street

- April 6, 2021
 - Met with developer to discuss plan for this development at the southeast corner of 2nd Street &
 - Developer is going to revise plan and submit electronic copies for review by City.
 - MSA reviewed preliminary plat and recommend denying application as it does not meet current
- April 14, 2021: City recommends applicant submit request for Planned Development per Code section 165.20. (See attached memo)
- September 22nd, 2021: Developer resubmits plan to City
- October 5, 2021: City response to Developer recommending applicant submit request for Planned Development per Code section 165.20
- October 20, 2021: Developer requests meeting with City Staff. City Staff and MSA meet with Developer to discuss review comments and future plans for development.

Cemetery Staking & Survey

- MSA will surveying cemetery plots and survey the western parcel.
- Cemetery surveying anticipated to be completed in mid/late-July.
- Cemetery re-platting is being completed. Staking new plots will be completed this fall.
- Estimated cost for cemetery split is \$5,000 with another \$1,000 in survey of lot to west of existing cemetery. Cost for staking pins in each individual corner (~1,200 pins) is estimated at \$6,750.
- Staking will take place the week of December 6th, 2021.



Sacred Willow Farms Site Review - Site along Poplar Ave West of Dollar General

- August 12, 2021: Preliminary site plans submitted to City for review.
- August 24, 2021: City response to preliminary plans sent to Developer.
- September 9, 2021: Resubmittal of Preliminary Plan.
- September 21, 2021: City response to Developer with comments.
- October 22, 2021: Resubmittal of Preliminary Plans.
- October 29, 2021: Recommendation to approve provided to Planning & Zoning.

Zoning Map Updates

• MSA revised & printed zoning map updates per Planning and Zoning comments.

Capital Improvement Plan (CIP), FY 2021/22 through 2026/27

- MSA met with City Staff and Financial advisor to discuss CIP planning and creation.
- MSA will create CIP and estimate capital costs for each. This will be sent to the City's Financial Advisor to identify potential funding streams.
- CIP will be reviewed by City Staff and presented to Council.

TASK ORDER #10 - STORMWATER STUDY

It is our understanding that the City would like to make improvements to the stormwater flow in the northern portion of town. MSA Professional Services, Inc. shall provide the following services in accordance with the completion of the above project: MSA will create an overall stormwater model based on 10-year storm flow to identify potential problem areas within the northern part of town. After creation of the overall exhibit, we will walk the area with City Staff to identify additional/problematic areas. MSA will then fine tune the stormwater model to better represent on the ground conditions in several problem areas, such as identifying blocked culverts & intakes which will lead to recommendations for possible improvements.

ONGOING TASKS

 Flush targeted storm lines to identify connectivity. This work will be completed pending City Staff availability during dry weather.

NEXT STEPS

- Identify possible improvement projects along with phasing
- Revise improvement projects as necessary.
- Present to City Council.



PHASE 1 WATER SYSTEM IMPROVEMENTS CONSTRUCTION RELATED SERVICES

This is for construction related services regarding the Phase 1 Water system improvement project including bidding, construction staking, construction administration, and construction observation.

RECENTLY COMPLETED STEPS

Construction start date: 08/23/2021

ONGOING STEPS

- 5th & Dewey
 - Water main complete and services have been crossed over.
 - Water main connections and abandonment of existing main.
 - Surface restoration
- North Street
 - o Water main complete.
 - Services to be crossed over.
 - Water main connections and abandonment of existing main
 - Surface restoration.
- 8th Street
 - o Water main construction ongoing.
 - o Services to be crossed over.
 - o Water main connections and abandonment of existing main
 - o Surface restoration.

NEXT STEPS

- Substantial completion date is May 16, 2022
- Final completion date is June 15, 2022

RECORD OF CHANGE ORDERS (CO) & REQUESTS FOR PRICING (RFP)

- CO #1 Approved: +\$6,000.00
 - o Remove and backfill unknown underground storage tank in path of water main.
 - Currently working with Iowa DNR for approval. Iowa DNR is requiring additional ground soil and ground water sampling to determine if there are contaminants in the soil.



TASK ORDER #15 — MARSHALL STREET RECONSTRUCTION CONSTRUCTION RELATED SERVICES

This is for construction related services regarding the Marshall Street reconstruction project including, construction staking, construction administration, and construction observation.

RECENTLY COMPLETED STEPS

- Construction began July 19th, 2021
- Substantial Completion target date: October 20, 2021
 - o Substantial completion actual date: October 22, 2021.

ONGOING STEPS

· Final completion punch list items.

NEXT STEPS

- Final Completion date is November 19, 2021
 - o Contractor is working on punch list items remaining prior to final completion.
 - Final completion liquidated damages are \$500/calendar day past November 19th.

RECORD OF CHANGE ORDERS (CO) & REQUESTS FOR PRICING (RFP)

- CO #1 Approved: +\$7,106.00
 - o Water service addition/revisions
 - o Storm manhole modifications necessary due to site conditions.
- CO #2 Approved: -\$483.50
 - o Removal of 2 trees and removal of planned retaining wall in front of residence.
- CO #3 Approved: +\$22,291.76
 - o Remove and replace concrete curb and section that is settling along north side of Jefferson from Main St. to Marshall St. (North side of square)



TASK ORDER #14 – COMMERCE DRIVE LIFT STATION REVIEW 2021

It is our understanding the City would like to make improvements to the duplex submersible pump sanitary sewer lift station located at the northeast corner of the intersection of Commerce Drive & McMurray Street. This lift station has been experiencing high water warnings meaning the existing pumps are likely not able to keep up with flow that the lift station is receiving.

The City has requested MSA Professional Services, Inc. (MSA) to evaluate the existing flow to the lift station as well as the proposed flow under a fully developed future condition. Project is to identify up to two possible improvements to the lift station to accommodate potential future development.

Under a separate task order, MSA will perform design services, if desired, for the City's chosen recommended improvement using information from this task order, whether that be upgrading the existing lift station pumps or replacing the entire life station.

RECENTLY COMPLETED STEPS

- MSA met with City Staff on March 30, 2021 to discuss review of existing conditions. Refer to attached memo for more information.
- Attended meeting on May 18th, 2021 with City Staff and Car wash to determine sand pit cleaning schedule. Sand pit had been cleaned prior to our meeting. Car wash had said the secondary tank was full of sand and had been overflowing into their service. They are having their service cleaned.
- City Staff would like to clean the Lift Station at relatively the same time as the car wash cleans their service
 in order to start fresh. Car wash said they would do a better job monitoring the secondary tanks and clean
 as needed.
- Waiting on televising on existing system to review existing pipes for any breaks.
 - Televising revealed no breaks on the main lines and what appears to be a significant amount of sediment coming from the car wash service line.
- Review on lift station was resumed on November 10th, 2021.
- Review future conditions for planned developments and identify design year for sizing after getting baseline for current run times.
- Identify potential costs and recommendation

NEXT STEPS

Present to Council on December 8, 2021.



Jodie Wyman

From:

Andrew Inhelder <ainhelder@msa-ps.com>

Sent:

Tuesday, November 30, 2021 2:02 PM

To:

Jodie Wyman; Carl Van Der Kamp

Subject:

Lift Station Pumps - Paths Moving Forward

Follow Up Flag:

Follow up

Flag Status:

Flagged

Hi Jodie & Carl,

Below is a response from lowa Pump Works when we asked if they have a more robust pump that could handle sand/grit better for the lift station.

We can discuss more but I really only see two paths moving forward:

- 1. Continue with the car wash cleaning pits as needed, hoping that they are cleaned regularly.
 - a. Upsize pumps if needed depending on results of the study (for future flows, not to handle sand/grit)
 - b. Understand the sand/grit will wear on the City's pumps over time, increasing maintenance costs (how much time between pump failures is impossible to guess)
- 2. Enforce the current ordinance (no sand/grit allowed).
 - a. Upsize pumps if needed depending on results of study (for future flows, not to handle sand/grit)
 - b. Ask business owner to provide a detailed plan within a specified period of time to the City moving forward to eliminate sand from entering the City system
 - c. Some ideas: (although business owner needs to vet each for cost effectiveness and compatibility with their system)
 - i. Private lift station on property which will capture additional sand and limit the amount pumped to the City's system
 - ii. Centrifugal sand separator
 - iii. Sediment filtration system

In the end, fixing this issue is on the business owner (not the City) so whatever system is moved forward with, if it doesn't work, will be on the business owner to correct/add to. The City will continue to experience issues with the pumps at the lift station if the sand/grit is not removed, even if new, larger pumps are installed.

Thanks, Andrew



Andrew Inhelder, PE | Project Engineer

MSA Professional Services, Inc. 100% Employee Owned +1 (515) 635-3403



From: Abby Mouw <amouw@msa-ps.com> Sent: Tuesday, November 30, 2021 9:26 AM

Thanks, Andrew

#08994026



Andrew Inhelder, PE | Project Engineer

MSA Professional Services, Inc. 100% Employee Owned +1 (515) 635-3403

inds s

From: Mike Szmurlo <mszmurlo@msa-ps.com>

Sent: Thursday, May 20, 2021 8:18 AM

To: David Morgan < davem@iowapumpworks.com >; Abby Mouw < amouw@msa-ps.com >; Andrew Inhelder

<ainhelder@msa-ps.com>

Cc: Shane Patterson < shanep@iowapumpworks.com >; Luke Lockhart < lukel@iowapumpworks.com >; Mark Strothcamp < marks@iowapumpworks.com >; Mike Bishop < mikeb@iowapumpworks.com >; starskyjay@q.com; Jerry Turnbull < ierryt@iowapumpworks.com >

Subject: RE: Prairie City, IA / Casey's LS / Advisor 2.0 Reports

Thank you for the update Dave. I've forwarded this to our engineer who has been working on this issue onsite with the City.

From: David Morgan < davem@iowapumpworks.com >

Sent: Thursday, May 20, 2021 8:04 AM

To: Mike Szmurlo < mszmurlo@msa-ps.com >

Cc: Shane Patterson <<u>shanep@iowapumpworks.com</u>>; Luke Lockhart <<u>lukel@iowapumpworks.com</u>>; Mark Strothcamp <<u>marks@iowapumpworks.com</u>>; Mike Bishop <<u>mikeb@iowapumpworks.com</u>>; <u>starskyjay@q.com</u>; Jerry Turnbull <<u>jerryt@iowapumpworks.com</u>>

Subject: Prairie City, IA / Casey's LS / Advisor 2.0 Reports

Mike,

The data for the Casey's LS on Advisor 2.0 is recording again as of 05/12/2021. I give the station about 6wks before there is a sand issue again. We can watch the trends on 2.0 to predict the next failure. I did a draw down test on 05/12/21. At 9:20 am we had about 12gpm coming in and pumping rate of 16gpm for one pump.

Regards,

Dave Morgan

E/One Regional Product & Project Manager Consulting /Sales /Service

Cell: 515-681-2141 Off: 855-228-6383 Fax: 866-961-5085

davem@iowapumpworks.com

From: Abby Mouw <amouw@msa-ps.com>
Sent: Monday, November 29, 2021 12:00 PM

To: David Morgan < davem@iowapumpworks.com >

Subject: RE: Prairie City, IA / Casey's LS / Advisor 2.0 Reports

Hi David,

The City is still fighting issues with sand at this lift station. Do you have any recommendations for maybe a different submersible pump that handles sand/grit better? It doesn't seem like this issue will get resolved from the source of the sand.

Thank you,



Abigail Mouw, PE | Project Engineer

MSA Professional Services, Inc. 100% Employee Owned +1 (319) 536-3489

inyf

From: David Morgan < davem@iowapumpworks.com >

Sent: Thursday, May 20, 2021 9:27 AM

To: Andrew Inhelder <ainhelder@msa-ps.com>; Mike Szmurlo <mszmurlo@msa-ps.com>; Abby Mouw <amouw@msa-

Cc: Shane Patterson <shanep@iowapumpworks.com>; Luke Lockhart <lukel@iowapumpworks.com>; Mark Strothcamp <marks@iowapumpworks.com>; Mike Bishop <mikeb@iowapumpworks.com>; starskyjay@q.com; Jerry Turnbull

Subject: RE: Prairie City, IA / Casey's LS / Advisor 2.0 Reports

Thank you for the update. Sounds like a good plan...

D. Morgan

E/One Product Manager / IPW

<jerryt@iowapumpworks.com>

Cell: 515-681-2141

davem@iowapumpworks.com

From: Andrew Inhelder <ainhelder@msa-ps.com>

Sent: Thursday, May 20, 2021 9:25 AM

To: Mike Szmurlo <mszmurlo@msa-ps.com>; David Morgan <davem@iowapumpworks.com>; Abby Mouw

<amouw@msa-ps.com>

Cc: Shane Patterson <<u>shanep@iowapumpworks.com</u>>; Luke Lockhart <<u>lukel@iowapumpworks.com</u>>; Mark Strothcamp <<u>marks@iowapumpworks.com</u>>; Mike Bishop <<u>mikeb@iowapumpworks.com</u>>; <u>starskyjay@q.com</u>; Jerry Turnbull

<jerryt@iowapumpworks.com>

Subject: RE: Prairie City, IA / Casey's LS / Advisor 2.0 Reports

Hi Dave,

We had a discussion with the car wash owner, he was not cleaning his secondary sand pits and they were completely full of sand, his service line was televised and was also full of sand. He is cleaning all pits and service line and the City is going to clean their LS for all to start fresh. The car wash owner agreed to clean both primary and secondary sand pits more frequently to hopefully prevent this from happening again.

To: Andrew Inhelder <ainhelder@msa-ps.com>

Subject: FW: Prairie City, IA / Casey's LS / Advisor 2.0 Reports

FYI – see response from Iowa Pump Works for the Commerce Drive pumps. The sand/grit issue really needs to be solved at the source.

Abby

From: David Morgan < davem@iowapumpworks.com >

Sent: Tuesday, November 30, 2021 9:18 AM To: Abby Mouw <amouw@msa-ps.com>

Cc: Shane Patterson <shanep@iowapumpworks.com>; Mark Strothcamp <marks@iowapumpworks.com>; Jerry Turnbull

<ierryt@iowapumpworks.com>

Subject: RE: Prairie City, IA / Casey's LS / Advisor 2.0 Reports

Abby,

Unfortunately, we don't rep anything that will meet the requirements you are asking for. Sand and grit are an ongoing issue for any pump. ...One solution might be to have the car wash owner provide his own lift station that pumps to the city's. That way the sand and pump problems become his to deal with.....Sorry, we couldn't be much better help on this.

Regards,



Dave Morgan

E/One Regional Product & Project Manager Consulting /Sales /Service

Cell: 515-681-2141 Off: 855-228-6383 Fax: 866-961-5085

davem@iowapumpworks.com





AFTER HOURS EMERGENCY SERVICE PHONE NUMBER
515-446-0066





AFTER HOURS EMERGENCY SERVICE PHONE NUMBER
Answered 24 / 7 / 365 515-446-0066

This email was scanned by Bitdefender

TASK ORDER #16 - SIDEWALK ALONG STATE STREET

This is for installation of sidewalk along the west side of State Street from South Street to the north side of the community building.

RECENTLY COMPLETED STEPS

- MSA reviewed preliminary routes along with opinions of conceptual cost associated.
- Survey of area complete and preliminary design completed.
- Created draft permanent easement documents for use by City Staff to discuss sidewalk with property owners.
- Absolute Concrete (Marshall Street Contractor) has agreed to remove and replace 2-3 panels of sidewalk north of the School when they have mobilized for the Marshall Street Paving project.
- Met with Resident, refer to memo sent to City for additional information.

ONGOING STEPS

• On hold due to lack of support from residents along path of sidewalk.



RESOLUTION 12-08-21-2 A RESOLUTION SETTING THE TIME AND PLACE OF COUNCIL MEETINGS

WHEREAS, Chapter 17.04 of the Prairie City Code states "The time and place of the regular meetings of the Council shall be fixed by resolution of the Council."

NOW THEREFORE BE IT RESOLVED that the January 2022 Prairie City Council Meeting will be January 12, 2021 at 6:00 p.m., at Prairie City Council Chambers at City Hall and via Zoom.

Approved and adopted this 8th Day of Decei	mber, 2021.	
	Chad Alleger, Mayor	
ATTEST		
Jodie Wyman, City Administrator/City Clerk		

AMENDMENT TO THE

CONTRACT FOR MUNICIPAL TRASH AND YARD WASTE COLLECTION

This amendment ("Amendment") to the Contract for Municipal Trash and Yard Was	ste
Collection is made and entered into this day ofDECEMBER 2021, between the City	of
Prairie City, Iowa, (the "City"), and Waste Management of Iowa, Inc. ("Contractor").	

Recitals

The City and Contractor entered into a Contract on March 19, 2012 (the "Contract"). Through Amendment, that Contract was extended through April 30, 2022.

The City and Contractor each desire to extend the term of the Contract for an additional five (5) years granting Contractor the right to provide nonhazardous solid waste and yard waste collection services.

The parties mutually agree to amend the Contract as follows:

- 1. As set forth in the Amendment, the term of the Contract is set to expire on April 30, 2022. The City and Contractor desire to amend the Contract to provide for an extension an additional five (5) year term expiring on April 30, 2027.
- 2. Due to inflationary pressures and a tight labor market, effective May 1, 2022, the price per home shall be \$22.49.
- 3. The annual price adjustment shall continue to be three (3%) percent per year during the extended term with each annual adjustment to be effective on the anniversary date of the Contract.
- 4. Except as amended herein, all other terms of the Contract will continue in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be duly

Current rate \$13.48 Increase \$9.01 (includes 3:1\$13.89)	Waste Management of Iowa, Inc.
> Real \$1 \$8.60	Ву:
7 700 41 40.00	Name:
HOUT	Its:



To:

Carl Van Der Kamp, City of Prairie City Superintendent

From:

Andrew Inhelder, PE, MSA Professional Services

Subject:

Site Plan Review – Sacred Willow Farms

Date:

10/29/2021

This letter is intended to remain in the Sacred Willow Farms file within City Hall to clarify water service material for the building:

- 6" Water Service from City water main to building will be allowed to be PVC meeting
- Domestic line shall be split exterior to building and may be PEX or Copper with a curb stop on domestic line exterior to building.

Carl Van Der Kamp
Carl Van Der Kamp, Superintendent

Note: This review does not include compliance with the International Building Code or fire code. This review was performed for the site plan and drainage plan alone. Additional comments may be provided once the requested additional information is provided. These review comments are provided for the sole purpose of advising City staff and/or the planning-zoning commission members and are provided for their exclusive use.



To: Jodie Wyman, City Administrator & Planning and Zoning Commission

From: Andrew Inhelder, PE, MSA Professional Services

Subject: Sacred Willows Site Plan Review

Date: October 29, 2021

All comments, except for those as noted below under "outstanding approval items", have been addressed as requested. Therefore, the City Engineer recommends that the site plan, as submitted on October 29, 2021, be approved by the City of Prairie City.

Outstanding Approval Items

Site Monument Sign

Site monument sign has not been submitted for review/approval. Developer is responsible for obtaining appropriate approval and meeting requirements prior to construction. Any revisions to plans due to obtaining approval shall be submitted to City for review of changes.



To:

Lisa Burch, PE, YTT Design Solutions

From:

Andrew Inhelder, PE, MSA Professional Services

Subject:

Site Plan Review - Sacred Willow Farms

Date:

10/29/2021

This Site Plan Review does not include review/approval of the proposed site sign which will be submitted for review/approval at a later date.

General Notes (No resubmission for these items necessary)

- Location of grease trap shown on Architectural Sheet A101. Notify City if location is modified.
- Ground or roof mounted mechanical units shall be screened per Code 165.29 Section 10.E.
- Site lighting shall be as per code 165.29 Section 8.

Zoning Comments

Verify parcel rezoned as C 1.

Construction Document Review

General Comments

- General information missing as required in 165.29
 - O Name and address of owner developer, name and address of engineer, legal description of site, etc.
- Development schedule to be submitted
- Submit architectural elevations
- Submit stormwater management plan
 - Verify (in writing) impact of changing drainage pattern from predominately east to west sheet flow to essentially north to south via concentrated discharge points will have negligible impact on downstream facilities.
 - → Note for developer/owner:
 - If expansions are planned in the future, they will be required to provide additional stormwater calculations verifying post construction stormwater

rates are less than or equal to present stormwater rates and that on site stormwater management may be required at that time.

- Areas of uncontrolled, concentrated flows are proposed. Most of existing soils appear to be Group C/D per developer supplied soil map, i.e. high runoff potential is expected. The developer/owner is responsible for mitigating potentially erosive stormwater flows from the site prior to discharge.
- Submit structural certificate
- Submit details for proposed sign
 - O Sign permit to be applied for review and approval at a future date.
 - o Sign shall follow Code 165.29 Section 11
- Submit photometric of parking lot lighting.

Details - Sheet B.01

Transition on thickened edge slab should be 18" per SUDAS detail 7030.202

Site Layout - Sheet D.01

- Existing water main is 8" in diameter
- Light pole and bases are "By Others"?
- Culvert under driveway shall be RCP Class III per SUDAS 2.F
- Culvert under driveway shall be 18" minimum for entrance pipes per SUDAS 2.G unless cover is an issue.
- Provide flared end-sections on culverts.
- Clarify screening on dumpster enclosure.

Parking Lot Layout - Sheet D.02

- List required parking vs. provided parking along with required ADA requirements.
- Clarify ADA requirements for building access.

Grading & Paving Plan - Sheet D.03-D.04

- Grades show pushing drainage onto edge of existing pavement (shoulder is higher than edge of roadway). Revise to avoid directing water towards roadway.
- Clarify work to be performed on existing sanitary manhole to raise it to grade.
 - Note to developer. Sanitary sewer will require external chimney seal.
- Verify any cut over the existing gas lines. (It looks like fill but verify)

Utility Plan - Sheet F.01

• Culvert under driveway shall be 18" minimum for entrance pipes per SUDAS 2.G unless cover is an issue.

- Provide flared end sections on culverts.
- Existing water main can be shut down to avoid utilizing tapping sleeve if desired.
 - O Verify connection method to existing water main.
 - Revise note
 - "Contractor shall coordinate with City to shut down water main"
- Clarify water service material.
 - O Comment addressed in email response on August 24, 2021.
- Clarify sanitary sewer service material.
 - Comment addressed in email response on August 24, 2021.
- Clarify limits of HDD for water service under Poplar Ave.
- Clarify method of connection to existing sanitary sewer main.
- Provide 10 ft of horizontal spacing between sanitary and water services.
- Clarify work to be performed on existing sanitary manhole to raise it to grade.
 - Note to developer. Sanitary sewer will require external chimney seal.
- Show locations of proposed sanitary sewer clean outs.
- Revise 6" water service to PVC per City Superintendent.
- Specify where domestic water line will split from fire protection with curb stop installed on domestic line exterior to building. Domestic water line may be copper or PEX per City Superintendent.

Landscape Plan - Sheet G.01

• White pines shall be planted away from fence (1/2 mature spread) to allow room for growth per 165.11.

Note: This review does not include compliance with the International Building Code or fire code. This review was performed for the site plan and drainage plan alone. Additional comments may be provided once the requested additional information is provided. These review comments are provided for the sole purpose of advising City staff and/or the planning-zoning commission members and are provided for their exclusive use.

LMIITED STORMWATER REPORT

SACRED WILLOW FARMS
1120 Poplar Avenue
Jasper County
Prairie City, lowa

September 9, 2021 REVISED October 15, 2021

YTT Design Solutions Project No. 4921.017

10/15/21

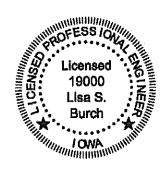
I hereby declare that this plan, specification, or report was prepared by me or under by direct personal supervision, and that/I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Lisa S. Burgh, P.E.

lowa License No. 19000/

My License Renewal Date is December 31, 2021

Pages covered by this certification: Report pages 1-5, Appendix A-D Date





Contents

l.	Project Description	2
11.	List of Appendices	5

I. Project Description

The project consists of the development of a 3.006 acre lot located at 1120 Poplar Avenue in Prairie City, lowa. The project includes the construction of a new event center/wedding venue building with associated parking, drives, utilities, and landscaping. The site currently consists of agricultural row crops. The site has a soil hydrologic group of C/D. The site generally slopes from the north to the southeast with a section of the northern lot draining northerly towards the City ROW. A drainage ditch along the western side of the lot conveys any offsite drainage towards the southern lot line.

The City of Prairie City requires that site stormwater runoff for the post-developed site does not exceed the pre-developed site for the 5-year, 10-year, and 100-year storms. Stormwater management will be achieved by converting pervious areas outside of the building and parking lot from agricultural row crops into improved soil / grass /lawn areas with a lower runoff factor. The post-developed site runoff is lower than the pre-developed site runoff for the 5-year, 10-year, and 100-year storms.

We analyzed the site for the pre- and post- developed conditions per the summary below in Table1 and Table 2:

Table 1. Existing Site Conditions

Parameter	Watershed #1
Total Site Area	3.006 acres
Row-crop Agriculture	3.006 acres (CN 90)
Woodland	0 acres
Natural	0 acres
Lawns or Open	0 acres
Spaces	
Impervious Surfaces	0 acres
Impervious %	0%
Weighted Curve	90
Number	
Time of	5 min.
Concentration	

Table 2. Post Development Site Conditions

Parameter	Watershed #1
Total Site Area	3,006 acres
Row-crop Agriculture	0 acres
Woodland	0 acres
Natural	0 acres
Lawns or Open Spaces	2.036 acres (CN 77)
Impervious Surfaces	0.97 acres (CN 98) [33,506 SF Parking Lot] [2,359 SF Sidewalk] [6,400 SF Building]
Impervious %	32%
Weighted Curve Number	84
Time of Concentration	5 min.

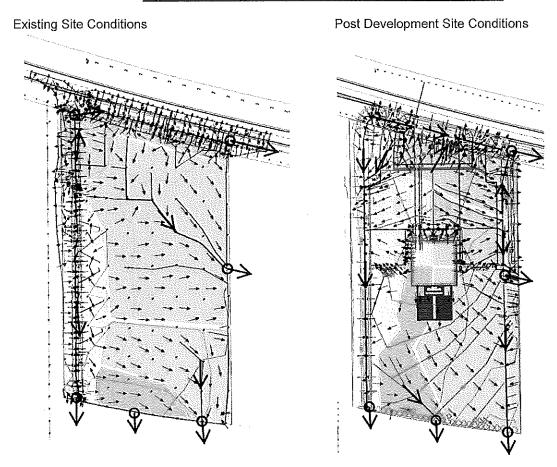
The pre-developed -vs- post-developed site runoff values are shown below in Table 3:

Table 3. Site Runoff Values

ranga kang mengangan pertangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan	anie of othe Limit	II Values
Storm Event	PRE	POST
	(cfs)	(cfs)
5-year	9.997	7.70
10-year	12.17	9.75
100-year	19.84	17.30

We analyzed the site drainage patterns for the pre- and post- developed conditions for impacts to downstream facilities. The drainage patterns are shown in the following Figure 1. The existing drainage paths consist mainly of a south-southeasterly flow with a small area draining to the north into the roadway grass ditch in the City ROW. The post development drainage paths are very similar to the existing drainage paths with mainly a south-southeasterly flow with a small area draining to the north into the roadway grass ditch in the City ROW. The southern border of the site consists of a drainage ditch that discharges southerly into the highway ROW.

Figure 1. Drainage Patterns Existing and Post-Development



The post development grading will result in increased concentrated flow areas on site and at the discharge points off site versus the general runoff flow conditions of the existing agricultural site. To accommodate the concentrated flows at these locations these drainage paths will be reinforced with additional erosion control measures consisting of sod/grass/vegetative cover, erosion stone, and energy dissipation measures. These measures will mitigate potentially erosive stormwater flows from the site prior to discharge.

Although there is increased concentrated flow locations post development the overall runoff from the site for the post development condition is less than the existing site condition as shown in Table 3. The increased concentrated runoff will have negligible impact on downstream facilities.

Additionally, the Owner understands that any future expansions to the site will require additional stormwater calculations to verify post construction stormwater rates are less than or equal to existing stormwater rates and that additional stormwater management may be required at that time.

II. List of Appendices

Appendix A Site Grading Plan – Sheet E.01

Appendix B Soil Maps – pages 1-7

Appendix C Hydrograph Modeling Input and Output – pages 1-4

Appendix D NOAA Atlas 14 – pages 1-4