

Mitigation Goals

This Regional Hazard Mitigation Plan serves to outline a singular objective: Improve the Region's resilience to natural disasters through effective and efficient investment of public funds and private venture collaborations. This can be achieved by:

1. Maximizing use of existing **resources** and collaborations.
 - a. Take advantage of *natural resources* as mitigation components
 - b. Investigate available *human* and *organizational resources* through existing collaborations and civic supports such as County Emergency Management Agencies, regional training opportunities through emergency response associations, the LEPC, local businesses and health and human services agencies.
 - c. Implement *technology-based resources* that are low cost, free, or already funded.
2. Improve **communication** of information and provide education. Use established means of communication to educate on preparedness and raise awareness about hazard mitigation. For example – city website, utility billings, community bulletin board or message board, newsletter, and school district communications.
3. **Protection** of our people, public and private environments, facilities, and assets. Implement actions and strategies that significantly decrease risk associated with the effects of natural and other hazards that may otherwise result in the loss of life or damage to or loss of property.
4. Continued **functionality of operations** in the event of a natural disaster. Establish means of maintaining function of city operations and response efforts regardless of circumstance, ensuring availability of appropriate equipment as needed.
5. Implement well-planned projects that address **multiple issues** or serve more than one purpose. Reduce vulnerability to hazardous events by incorporating mitigation

actions/strategies into all capital improvement and community betterment projects. Promotion of personal well-being and healthy living improves individual resilience and contributes to added strength of the whole.

Mitigation Actions, Strategies, & Projects

GUIDING PRINCIPLES FOR DETERMINING ACTIONS, STRATEGIES, & PROJECTS

| Actions/Strategies for Region | | |
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| communication /education | local | Increase interactive communication and education of natural hazard awareness, preparedness, and available resources to improve capacity for response and loss prevention. |
| | county | |
| | region | |
| tools/equipment | power supply | Acquire equipment and tools that will facilitate access to and protection of residents and visitors, critical facilities, and utility infrastructure during extreme weather events including but not limited to generators, surveillance tools, all-weather ATV, or snow machine. |
| | safety/security | |
| | access | |
| development | mutual benefit; integrated project design/planning | Correlate Capital Improvement Projects, Economic Development projects, scheduled maintenance and repairs to necessary mitigation actions. |
| | acquisition – local | Consider (additional) properties for acquisition in high flood risk areas. |
| | local building standards/controls; development guidance/regulations | Monitor effectiveness and applicability of adopted and/or referenced ordinances, policies, and programs guiding community growth such as development regulations and established building standards. |
| | local relocation/fortification | Evaluate locations of critical facilities and utility infrastructure. Identify relocation and/or improvement projects that will allow continued function during and after natural hazard events. |
| flow control | roadways | Assess repair/replace/redesign roadways to improve function during natural hazard events. Consideration to be given to elevation, implement/improve water flow controls such as culverts, ditches and gutter systems. |
| | drainage | Improve drainage patterns in flood-prone areas by implementing features that improve flow and/or absorption and reduce runoff. |

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| refuge | mutual benefit; integrated project design/planning | Identify, evaluate, and assess informal shelter locations. |
| technology | Improve access | Implement technology to more effectively assess, respond to, and recover from dangers associated with hazard events. |
| | Increase use of existing | |
| natural barriers/ supports | Develop plan | Stabilize or increase naturally occurring mitigation features such as tree cover, wetlands, and/or greenspace. |
| | Determine if plan is needed | |

As mentioned in the Region Capabilities discussion, a thriving transportation network is critical in defining access and evacuation in the event of some hazardous incidents, an in response to most of them. Regional transportation projects that are eligible for state allocations of federal funds are processed through the MPO and SRTPA under specific programs that include the Transportation Improvement Program (TIP). Involving a 5-year planning period, projects are determined well in advance of implementation and often have the overall effect of improving resilience during and after hazardous events. More information about TIP and other transportation projects can be found on SIMPCOs website at www.simpco.org under Divisions, Transportation Planning.

IDENTIFIED ACTIONS, STRATEGIES, & PROJECTS

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| Completed |
| New project or carried over from previous (still needed) |
| Not implemented, no longer planned/needed |

| Communication /Education | | |
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| <ul style="list-style-type: none"> Increase interactive communication and education of natural hazard awareness, preparedness, and available resources to improve capacity for response and loss prevention. Improve communication between mutually affected departments/organizations | | |
| <i>Goals Addressed</i> | <i>Hazards</i> | - All Natural Hazards |
| 1,2 | | - All Human-caused or Biological Hazards |
| Promo/Info | All Counties | 2020: Interest in promotion of established notification networks such as the Alert Iowa system; <i>County EMA, County Administration & Clerk</i> (No dedicated funding necessary) HIGH PRIORITY |

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| Promo/Info | All Cities | 2020: Interest in promotion of established notification practice of Alert Iowa system; <i>City Clerk, County EMA</i> (No dedicated funding necessary) HIGH PRIORITY |
| Promo/Info | All School Districts | 2020: Interest in promotion of established notification practice such as Alert Iowa system; <i>School communications teams, County EMA</i> (No dedicated funding necessary) HIGH PRIORITY |
| Promo/Info | Akron-Westfield CSD | New. School is interested in sharing information with students & their families. District plans to coordinate with Plymouth Co EMA for PSA formatted messages to include in communications and on website. District admin team, Principal, County EMA (no funding needs anticipated) HIGH PRIORITY |
| Promo/Info | Aurelia | 2020: Interest in promoting Smoke Detector programs, and similar supports, when offered at County or Region levels. <i>City Clerk, Public Health, EMA</i> (for promo: No dedicated funding necessary. For detectors: Community grants, pre-disaster funds) HIGH PRIORITY |
| Promo/Info | Aurelia | Update. No action taken as program has not been made available through FD or Public Health. City wishes to carry this project over to 2025. |
| Promo/Info | Aurelia | Carry over. Seek Smoke Detector program opportunities and similar supports, when offered at County or Region levels and promote accordingly, <i>City Clerk, Public Health, EMA</i> (for promo: No dedicated funding necessary. For detectors: Community grants, pre-disaster funds) HIGH PRIORITY |
| Promo/Info | Aurelia | New. City intends to increase awareness of Alert Iowa program through promotion and registration provision on city communications. <i>City Clerk, County EMA</i> (no expense aside from staffing hours is anticipated) HIGH PRIORITY |
| Promo/Info | Blencoe | Implemented: Blencoe. Implemented promotion of existing alerts system and continues to do so. |
| Promo/Info | Cherokee | New. The city is committed to promoting alert systems as already available through the county and state. <i>City Clerk, City Administrator, County EMA</i> (No funds expected to be needed) HIGH PRIORITY. |
| Promo/Info | Cleghorn | 2020: Interest in promotion of established notification networks such as the Alert Iowa system; Promote programs as available through regional resources. <i>City Clerk, County EMA</i> (No dedicated funding necessary) HIGH PRIORITY |
| Promo/Info | Cleghorn | Closed. Update was not provided by community. |
| Promo/Info | Cushing | New. City is committing to incorporating public awareness for disaster preparedness through promotion of Alert Iowa system. <i>City Clerk, Council, County EMA</i> (no funding needs anticipated. HIGH PRIORITY |

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| Promo/Info | Galva | 2020: Need for secured gate and "Restricted" signage at the sewer plant; <i>City Maintenance/Public Works</i> (Local Funds, Community benefit grants) HIGH PRIORITY |
| Promo/Info | Galva | Update: Galva is in the process of implementing a Sewer systems project. Securing point of access is part of the project. |
| Promo/Info | Galva | 2020: Interest in obtaining weather radio and additional communications equipment such as handheld radios for direct communication with responders; <i>City Council, County EMA to assist</i> (local funds, PDM funds, Community benefit grant funds) MEDIUM PRIORITY |
| Promo/Info | Galva | Update: Handheld radios are not in place. City intends to continue seeking funds to implement project. (check with Vanessa for follow up – keep as continuing effort) |
| Promo/Info | Hinton | 2020: City is interested in formalizing communications with DOT to address default road closures and local authority on road closures to avoid ineffective detours; <i>City Administration & Public Works, County Engineer, Iowa DOT</i> (necessity for dedicated funds not anticipated) HIGH PRIORITY |
| Promo/Info | | Update: Need for enhanced communications continues. Some lines have improved but concern remains a factor in communicating course of action and conflicting chain of command (for example, C60 affecting County, DOT, City) as may result in road closures from varying directions and inadvertent closure of backup or designated alternate routes. <i>Public Works, County EMA, County Secondary Roads, IADOT.</i> (Intent is to use existing resources in improved format to ensure communications of intent. No additional funding needs anticipated) HIGH PRIORITY, |
| Promo/Info | Ida Co | 2020: Actively promote available trainings; <i>County EMA, County Admin Staff</i> (no funding need anticipated) HIGH PRIORITY |
| Promo/Info | | Update: County intends to continue promoting state-funded training programs as available. Improve awareness of program availability. <i>County EMA, emergency response teams throughout county, State program officer(s).</i> (State program funds where applicable; in-kind volunteer time) HIGH PRIORITY. |
| Promo/Info | Ida Grove | New. City promotes county-based alerts. Interested in increasing scope of advisory notifications to expand from just weather to other issues such as boil advisories. <i>City Clerk, Public Works, County EMA, other Department heads as applicable.</i> (Local funds, safety grants, weather preparedness program funds if available) HIGH PRIORITY. |

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| Promo/Info | Larrabee | 2020: Interest in developing improved means of communicating urgent information through existing networks such as Alert Iowa. Also, further develop local intercommunications tools such as texting and internal posting options. <i>City Clerk, City Council</i> (No costs associated with this project) |
| Promo/Info | Larrabee | Implemented. Additional efforts ongoing. City installed new community message board to better relay information in real time and for scheduled messaging (about \$1,500). City makes use of existing informational formats such as the County website, Facebook postings, and physical postings at the post office. |
| Promo/Info | Marcus | New. City is interested in expanding opportunity for preparedness workshops and readiness campaigns to better inform residents of potential disasters. Workshop/information would include before/after preparation including “ready bags” with medications and other necessary items, especially if urgent evacuation is issued. Additional preparedness resources would include facilitating a safe check process for aging and specialized needs neighbors (i.e. oxygen tank dependency or mobility limitations) and the implementation of a buddy system to ensure communications are thorough and complete for those not routinely using social media or cell phones. <i>City, local response teams, County EMA, Red Cross/United Way affiliates as applicable</i> (Need for dedicated funding not anticipated, use of local communications formats expected) MEDIUM PRIORITY |
| Promo/Info | Plymouth Co | 2020: Signage needed to better define restricted areas; <i>County Engineer, Sanitarian</i> (County funds) HIGH PRIORITY |
| Promo/Info | Plymouth County | Implemented: Plymouth County continues to administer general alerts. Assessing feasibility of adding employees to enable uniform communications and enabling external use specific to departments. System is used by Communications Center, CERT Team including Floyd Valley Hospital. |
| Promo/Info | Plymouth County | New. Plymouth County. Continuity of Operations plan development is in the works, assigning use of facilities when relocation is necessary. Plan includes consideration of displacement potential for all county services. Involved parties: all department heads, Clerk of Court, State Officers, DOT, DNR, VA. |
| Promo/Info | Remsen | 2020: Interest in promotion of established warning systems such as Alert Iowa system; <i>City Clerk, County EMA</i> (No dedicated funding necessary) HIGH PRIORITY |
| Promo/Info | Remsen | Update. Remsen includes periodic postings recommending resident enrollment in Alert Iowa and similar online alert systems. Community will continue to do so but this will not |

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| | | be continued as an Ongoing mitigation-specific project into the 2025 plan. |
| Promo/Info | Sgt Bluff | New. Interest in developing public awareness campaign for emergency preparedness. Specific topic of interest: lightning awareness and safety. Others as deemed appropriate for season. <i>Public Works, Parks & Rec, City Council, County EMA</i> (Local funds, no additional dedicated funding expected to be necessary) HIGH PRIORITY |
| Promo/Info | Sioux City | New. Efforts in progress to update Red Alert geo mapping capacity to specific areas and to address more than just snow city-wide. <i>Public Works, Communications Department.</i> (Local funds/annual budget) MEDIUM PRIORITY |
| Promo/Info | SCCSD | New. Interest in promotion of established practice of Alert Iowa system in conjunction with school's internal alert system; School communications teams, County EMA (No dedicated funding necessary) HIGH PRIORITY |
| Promo/Info | Struble | 2020: Interest in promotion of established warning systems such as Alert Iowa system; Promote programs as available through regional resources. <i>City Clerk, County EMA</i> (No dedicated funding necessary) HIGH PRIORITY |
| Promo/Info | Struble | Update. informal promotion of available alert systems is provided through council discussion and interactions with residents. The city plans to continue promotion efforts to expand effectiveness of existing resources. Ongoing. Promote established warning systems such as Alert Iowa system; Promote programs as available through regional resources. <i>City Clerk, County EMA</i> (No dedicated funding necessary) HIGH PRIORITY |
| Promo/Info | Whiting | 2020: PSA program to promote education about tree types and planting; <i>City Clerk</i> (no funding anticipated) LOW PRIORITY |
| Promo/Info | Whiting | Completed. PSA was communicated through schools at no cost. |

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| Warning Sirens | Akron | 2020: Assess need for additional warning siren near school; <i>School Board, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Warning Sirens | Akron | Resolved. City assessed function of existing equipment and determined additional siren is not necessary. School facilities are adequately served by existing warning siren. |

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| Warning Sirens | Blencoe | 2020: 2nd warning siren placement - northwest end of town; Location Simpson & Mack; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Warning Sirens | Blencoe | Update. Action not taken. Carry over. The City still needs a second warning siren to sufficiently serve its corporate boundaries and nearby rural residents. Cost is approximately \$15,000. Funds have not been designated. City will pursue grant opportunities and continually review opportunities to include project in the annual budget. This project will carry as an ongoing effort with MEDIUM PRIORITY. |
| Warning Sirens | Bronson | 2020: Considering warning siren replacement; Recent repairs were necessary on current siren; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) LOW PRIORITY |
| Warning Sirens | Bronson | Implemented. The warning siren was replaced in June 2022, at the cost just over \$19,000. |
| Warning Sirens/Alerts | Cherokee | New. The city is interested in implementing a flood warning system that can be used for in-time communication of known, pending, likely, or immediate flood conditions when urgent action is necessary. Preliminary discussion leads to use of cell alerts, but alternatives effective for those not using cell phones or in the event of service disruptions are still needed. Study or system development may be necessary as a solution is not immediately known. <i>City, Public Works, County EMA, IDNR, US ACE (FMA/PDM, local funds, community foundation grants, public safety funds, others TBD)</i> HIGH PRIORITY |
| Warning Sirens | Danbury | 2020: Warning Siren needs replacing; <i>City Council, County EMA</i> (Local funds, County Funds, PDM, Community Benefit funds) HIGH PRIORITY |
| Warning Sirens | Danbury | Complete. Warning siren installed 2020+/- . Project was funded through various local grant programs. |
| Warning Sirens | Holstein | 2020: Additional warning siren would benefit City - potential location near south end of town near CharMac, Ridgeview, Cobblestone Inn; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Warning Sirens | Holstein | Update. Project carried over to 2025 Plan as siren is still needed. Community will continue to review grant and funding support opportunities as well as assess feasibility of fundraising to boost local fund options. Expected cost is in excess of \$15,000. Project will maintain MEDIUM PRIORITY. |

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| Warning Sirens | Ida Co | 2020: An additional warning siren would benefit Crawford Creek; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Warning Sirens | Ida Co. | Objective Met. Review of available resources indicates siren is not needed. County will promote existing internet system with improved coverage capacity. The County plans to provide signage and other promotions on social media forums to promote subscriptions to alert services. |
| Warning Sirens | Ida Grove | New. The city is planning to replace or upgrade the sirens located at 4 th & Moorhead Streets and on the 600 block of N Main and N 2 nd Streets. |
| Warning Sirens | Le Mars | New. New warning siren at 34 th & Lake is planned for 2025. |
| Warning Sirens | Mapleton | New. City is seeking to replace the motor on their aging warning siren located at the park. Maintenance on existing is increasingly cumbersome with lack of replacement parts and continuous repairs needed. Public Works, County EMA (PDM, public safety funds as may be available, community grants, local funds) HIGH PRIORITY |
| Warning Sirens | Monona Co / Rodney | 2020: Additional sirens in rural recreation areas such as the Rodney Recreation Pits; <i>County EMA</i> collaboration w/Rodney <i>City Council</i> , (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Warning Sirens | Monona Co | Update. Not completed, still needed. Project carries over to 2025 HMP. |
| Warning Sirens | Monona Co / Rodney | Carry over. Additional sirens in rural recreation areas such as the Rodney Recreation Pits; <i>County EMA</i> collaboration w/Rodney <i>City Council</i> , (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Warning Sirens | Monona Co | 2020: Warning Siren at Lewis & Clark Lake would be beneficial to improve warning efforts in the recreation area. <i>County Board of Supervisors, EMA, various departments.</i> (County funds, PDM, community benefit fund programs) MEDIUM PRIORITY |
| Warning Sirens | Monona Co | Update. Project not implemented but siren is stil need in rec area. Project will carry over to 2025 HMP. |
| Warning Sirens | Monona Co | Warning Siren at Lewis & Clark Lake would be beneficial to improve warning efforts in the recreation area. <i>County Board of Supervisors, EMA, various departments.</i> (County funds, PDM, community benefit fund programs) MEDIUM PRIORITY |

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| Warning Sirens | Monona Co / Blencoe | New. City is interested in partnering with the county to install a warning siren for the NEW Cooperative Port pf Blencoe to serve the port and nearby park. <i>County, County EMA, City of Blencoe, Industry partners</i> (Private funds, Pre-disaster funds as available, local and county funds, transportation funds as may be applicable) HIGH PRIORITY |
| Warning Sirens | Moorhead | 2020: Warning siren needs replacing. Existing prone to malfunction, in need of constant repair. Necessary in maximizing efforts to reduce repercussion from severe weather conditions. <i>City Council, County EMA.</i> (Local funds, County support funds, PDM, community benefit programs) HIGH PRIORITY |
| Warning Sirens | Moorhead | Update. Project still under consideration, maintain in 2025 Plan. City considering rewiring/electrical replacement. Fire Department interested in upgrade pending fundability. <i>City Council, Fire Department, County EMA.</i> (Local funds, BRIC as available if coordinated with additional projects) MEDIUM PRIORITY. |
| Warning Sirens | Moville | 2020: Add warning sirens to supplement existing. Assess need for additional at southeast edge of town and at Ridge Park; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Warning Sirens | Moville | Update. Maintain project for 2025 Plan. City still interested in fully assessing need for additional siren(s). Cell phone-based alerts may meet needs of most, but not all. MEDIUM PRIORITY |
| Warning Sirens | Oto | 2020: Warning siren needed immediately. Malfunction due to lightning strike. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Warning Sirens | Oto | Resolved. Oto's warning siren is now functioning. |
| Warning Sirens/Alerts | Plymouth Co | New. The county is interested in enhancing capacity for alerts at the fairgrounds. As large gatherings tend to slow cell networks, a booster is needed to ensure timely notifications, especially for larger scale outdoor events. <i>County EMA, Fair board</i> (Pre-disaster mitigation funds, Community Safety program funds, county funds, allocated fairground facility funds) HIGH PRIORITY |
| Warning Sirens/Alerts | Plymouth Co w/ City of Le Mars | New. Further consideration is needed for improved localized warnings in Le Mars, narrowing scope of generalized county-wide warnings for events that may have significant in-town effects. Such specification are expected to improve school district and shift adaptations for major employers as may be necessary. <i>County EMA, City of Le Mars, Emergency Response teams</i> (Pre-disaster mitigation funds, Community |

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| | | Safety program funds, county funds, allocated fairground facility funds) HIGH PRIORITY |
| Warning Sirens | Salix | 2020: Warning sirens – Replace existing in town; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Warning Sirens | Salix | As amended 01/12/2022: Complete. A new weather siren was installed in December 2020. The weather siren is connected to the County Communications Center as a primary means of notifying residents and visitors to Salix of imminent danger due to extreme weather conditions such as tornado and/or windstorms. The siren is multi-tonal allowing variation in sounds to differentiate the causes for warning. |
| Warning Siren | Sgt Bluff | New. City is considering need for additional warning siren due to development of East Campus which includes outdoor school sports facilities in addition to expansion of homes and trail connections. Implementation is dependent on school district development planning as well as population changes. <i>City, Public Works, Utilities, County EMA.</i> (Local funds, BRIC funds, local community and foundation grants, School District funds) Currently HIGH PRIORITY but may downgrade pending school bond measure (2025) |
| Warning Sirens | Sloan/ Westwood Schools | 2020: Warning siren at south end of town, serving school & rec facilities; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Warning Sirens | Sloan | Complete. A siren was installed to better serve the areas of outdoor school facilities. |
| Warning Sirens | Smithland | 2020: Warning siren improvement/replacement needed to better perform alerts for residents. Replacement or updating must include connection to County Communications Center. <i>City Council, City staff, County EMA.</i> (Local funds, county supports, community benefits programs, fundraising, PDM) HIGH PRIORITY |
| Warning Sirens | Smithland | Update. City has determined replacement of siren is necessary as parts are no longer available to maintain current siren. <i>Public Works, City Clerk, County EMA</i> (local funds, community foundation grants) HIGH PRIORITY |
| Warning Siren | Struble | New. City is interested in replacing warning siren. Current siren had aged out with replacement parts hard to find and very expensive. <i>City council, County EMA.</i> Local funds, pre-disaster/mitigation funds as may be available, community foundation grants, community betterment grants) HIGH PRIORITY |

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| Warning Sirens | Turin | 2020: City needs to install 2 nd warning siren to increase alert capacity during severe weather conditions. <i>City Council, County EMA.</i> (Local funds, County supports, PDM) HIGH PRIORITY |
| Warning Sirens | Turin | Completed. Second warning siren was added to increase awareness of pending severe weather. Hill served as barrier to single siren effectiveness for all residents. |

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| Programs | Correctionville | New. (Property Acquisition) City is in progress of developing a housing program involving acquisition of flood prone properties. Project includes potential park expansion to include wetlands conservation / preservation area for prone property adjacent to Copeland Park. City Council, Residents, FEMA, IDNR, others to be determined (Disaster Recovery funds, PDM as available/applicable, other source to be determined) MEDIUM PRIORITY |
| Programs | Hornick | 2020: Assess opportunities for homeowners with uninhabitable properties months after flood events of 2019; <i>City Council/Administration SIMPCO</i> (no cost allocated outside of staff hours for assessment) MEDIUM PRIORITY |
| Programs | Hornick | Closed. Based on city finances, skewed market value of homes/property, and ability to repurpose flood-prone areas, the city determined implementation of a home acquisition program is not feasible. City will continue to monitor potential of opportunities as they arise, however, the project is removed from the priority list. |
| Programs | Hornick | New. Interest in implementing Smoke Detector check/install program in collaboration with Fire Department and County departments as applicable (Health, EMA). City is aware that county has units available. Distribution & Install process not established. <i>City, County EMA, FD</i> (no funding needs anticipated) MEDIUM PRIORITY |
| Programs | River Valley CSD | 2020: Interested in funded First Aid/CPR training for staff; <i>School Board, Collaborate with EMA to coordinate training</i> (District training funds, Community Benefit funds, fundraising, Response support funds) MEDIUM PRIORITY |
| Programs | River Valley CSD | Completed. District implements mandatory training on annual basis. Funds still needed to support training, with expense review and new programming pending review. Project will remain HIGH PRIORITY in updated plan as district continues to seek training and funding partners. |

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| Assessment/Study / planning | Blencoe | New. Emergency Response Plan – city is interested in updating and formalizing its emergency response plan. City staff, County EMA (local funds) HIGH PRIORITY |
| Assessment/Study | Cherokee Co | New. A study of several tributaries is need to assess options for collection, redirection, diversion. Waterways include Mill Creek, Little Sioux River, Railroad Creek. County will support study of others as collaborative project. <i>EMA, County Board, affected cities, Conservation Board, DNR, ACE, Secondary Roads.</i> (Scoping project-PDM funds as may be available, local funds from participating entities) |
| Assessment/Study | Ida County | New. Due to excessive washout during flash flood events, enhanced by extremely dry/drought conditions, the county is interested in assessing alternative practices to stabilize gravel roads. Key concern is maintaining access/exit in the event of severe weather. This may include a demonstration project to test varying applications. <i>County Engineer/ Secondary Roads, IA DOT, County EMA</i> (Road use funds, local funds, USDA or DNR programs as may be available, Proj scoping funds). MEDIUM PRIORITY |
| Assessment/Study | Ida Grove | New: Interested in pursuing a study re: long term street repairs. Issues include drainage and flow control in addition to surface maintenance. Project in review stage and cost not readily determined. City Clerk, Streets Superintendent, Public Works, contracted engineering firm, regulatory bodies as may be applicable – County Roads, IA DOT. (Local funds, STBG/Road use funds as may be approved, local foundation grants). MEDIUM PRIORITY |
| Assessment/Study | Le Mars | 2020: Flood Risk Options Study. Improve elevation of roadway @ 4th Ave SE (Mahogany Ave). Primary access road to this portion of town, limiting access for response teams. A full study on options is needed in preparation of presenting issue of road closure to resident. <i>City Administrator, Engineer, County Roads communication, IDOT</i> (City funds, Planning funds, IDNR/IDOT programs, State/Federal programs, TIP, CIP) HIGH PRIORITY |
| Assessment/Study | Le Mars | Project closed. Surveys were completed and discussion held with IDNR, Army Corps of Engineers to assess potential improvements. Determination that a bridge is the only solution is not a feasible project for the City to consider. No further action is planned regarding this issue. |

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| Assessment/Study | Le Mars | New. Floyd River Redirection Study to address ongoing flood concerns as each recurring heavy flow and river flooding events decrease unaffected area surrounding the airport. Flow currently hooks around north end of runway, looping around again eastward at the south end. South end is progressively shifting east creating an unplanned contact point. The City would like to review options to redirect flow to protect its airport. <i>City Administrator, County departments as applicable, IDNR, State and Federal programs as may be applicable, contracted engineer.</i> (Local funds, BRIC/FMA technical support, other grants) HIGH PRIORITY |
| Assessment/Study | Moorhead | Added by amendment. Still needed – Study needed to determine source/cause of sinkholes believed to be a delayed effect of extensive area flooding in 2019. City’s initial assessment revealed no visible effects of that year’s flood. By 2021, sinkholes appeared throughout town affecting roadways and sidewalks. It is expected that underwashing caused by high velocity runoff is the primary cause of the sinkholes, however a study is needed to confirm that. Included in the study is an review of solutions for implementation that would eliminate the cause and prevent recurrence. City public works, State Homeland Security and Emergency Management, County EMA, USDA, potentially IDNR, other state departments as may be appropriate. (FEMA BRIC/FMA technical assistance, USDA programs, local funds) HIGH PRIORITY. Update. Initial application was not funded (2023). City is carrying project into 2025 plan with the intent of continuing to pursue funds to determine feasible solution(s) to the sinkhole issue. |
| Assessment/Study | Smithland | New. City is interested in a collaborative approach to a regional tributary study to improve monitoring capacity of tributary waterways to improve proactive flood preparations, including but not limited to monitored gauges. <i>Plan-participating counties and communities, IDNR, U SACE, others as applicable.</i> (funding sources TBD based on participation and lead entity) HIGH PRIORITY |
| Assessment/Study | Woodbury Co | 2020: Econ Dev - Work on measures necessary to reduce NFIP participant costs for communities. County Economic Dev, IDNR (County funds as needed) HIGH PRIORITY |
| Assessment/Study | Woodbury Co | Project closed. Economic Development department consolidated into Zoning. Project deemed not immediately feasible, though county will reassess situation given an opening to such opportunity. |

| Tools/Equipment | | |
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| <ul style="list-style-type: none"> Acquire equipment and tools that will facilitate access to and protection of residents and visitors, critical facilities, and utility infrastructure during extreme weather events including but not limited to generators, surveillance tools, all-weather ATV, or snow machine. | | |
| Goals Addressed | Hazards | - Flood |
| 3, 4, 5 | | - Severe Winter Storm |
| | | - Thunderstorm w/Hail & Lighting |
| Stabilization | All Counties | 2020: Assess and test drainage controls on routine schedule. Additional assessment during heavy periods of rain/snow melt. Include efforts to stabilize guideways. <i>Respective departments under Secondary Roads, contracted professionals as needed</i> (annual budget funding for maintenance once established, Additional funds to develop program may require additional budget requests, grant funds through State and Federal programming) HIGH PRIORITY |
| | Plymouth County | Check with Tom Rohe! |
| Stabilization | All Cities | 2020: Assess and test drainage controls on routine schedule. Additional assessment during heavy periods of rain/snow melt. Include efforts to stabilize guideways. <i>Respective departments under Public Works, Streets, City Council, contracted professionals as needed</i> (annual budget funding for maintenance once established, Additional funds to develop program may require additional budget requests, grant funds through State and Federal programming) HIGH PRIORITY |
| Stabilization | All School Districts | 2020: Assess and test drainage controls on routine schedule. Additional assessment during heavy periods of rain/snow melt. Include efforts to stabilize guideways. <i>Respective departments under Plant Engineering, Maintenance, School Board, contracted professionals as needed</i> (annual budget funding for maintenance once established, Additional funds to develop program may require additional budget requests, grant funds through State and Federal programming) HIGH PRIORITY |
| Stabilization | Anthon | 2020: Riverbank stabilization @ access point; City administration (City funds, Disaster funds, PDM) HIGH PRIORITY |
| Stabilization | Anthon | Update. Stabilization was implemented, however, the city would like a more permanent solution to reduce continuous rip rap replacement. Project will carry into 2025 HMP. |

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| Stabilization | Anthon | Carry over. Riverbank stabilization @ access point; City administration (City funds, Disaster funds, PDM) HIGH PRIORITY |
| Stabilization | Castana | 2020: Modify road overlay with "packable rock" or more stable substance to minimize washout episodes; City Maintenance (City funds, PDM) MEDIUM PRIORITY |
| Stabilization | Castana | Update. Carry over. Due to multi-faceted and severe funding constraints, action was not taken on this project. The city is interested in stabilizing the gravel roads throughout its hilly terrain to address proneness to wash out. |
| Stabilization | Castana | Carry over. Modify road overlay with "packable rock" or more stable substance to minimize washout episodes; <i>City Maintenance</i> (City funds, PDM) MEDIUM PRIORITY |
| Stabilization | Cherokee | New. Lake bank stabilization. Repetitive flooding is having an impact on the lake in addition to riverbanks. The city is implementing a stabilization project intended for long term sustainability. <i>City, IDNR as applicable</i> (local funds, DNR grants as may be available, other TBD) HIGH PRIORITY |
| Stabilization | Cherokee | New. City, in collaboration with the County, is considering options in controlling flow of river to reduce meandering. Increase of intensity and frequency of high water events has resulted in accelerated meandering of the river, threatening to overtake River Road. <i>City, County, IDNR, USACE as applicable.</i> (local funds, county funds, waterway program funds as may be available, pre-disaster funds) HIGH PRIORITY |
| Stabilization | Holstein | 2020: Drainage projects to stabilize dirt in areas prone to washout; <i>City Maintenance/Streets</i> (Local funds, PDM) HIGH PRIORITY |
| Stabilization | Holstein | Update. Efforts are ongoing with consideration being given to more long-term solutions. Determination of such action has not been made. Project will carry to 2025 Plan, retaining HIGH PRIORITY. |
| Stabilization | Holstein | 2020: Substantiate barriers @ gateway to community; <i>City administration, County Engineer, EMA</i> (Local funds, County funds, PDM, Community benefit grant funds) HIGH PRIORITY |
| Stabilization | Holstein | Project closed. No update on this activity is available. Community is not intending further action on this project at this time. |

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| Stabilization | Ida County | New. Spillway maintenance is ongoing and cumulatively expensive. County is interested in addressing channel stability with a long-term approach, reducing recurring expenses and substantiating infrastructure. Operations Supervisor, County Conservation. (Funding to be determined but will include county funds and pursuit of applicable grant programs) HIGH PRIORITY |
| Stabilization | Ida Grove | 2020: Rip rap needed @ Moorhead Ave Bridge; <i>City administration & Streets Dept, County Engineer</i> (Local funds, if scheduled accordingly State/Federal Transpo funds PDM) HIGH PRIORITY |
| Stabilization | Ida Grove | Update. Bridges are inspected every 2 years. 6 bridges are receiving ongoing erosion control (rip rap). Two bridges are scheduled for major repairs within the next 5 years as noted under New Projects: Bridges & Roads. |
| Stabilization | Ida Grove | Complete. Moorhead Ave reconstruction completed in 2022 with nearly \$2.24M invested. Funding sources include \$1M in SWAP funding was designated for this project. |
| Stabilization | Ida Grove | New. Stabilization as a project carries over to the 2025 Plan. Particular needs at Railroad St at Badger Creek. Significant erosion. Steep pitch of bank complicates stabilization. <i>City administration & Streets Dept, County Engineer</i> (Local funds, if scheduled accordingly State/Federal Transpo funds PDM) HIGH PRIORITY |
| Stabilization | Merrill | New. City is using rip rap for stabilization and reduction of wash out potential. Interested in more permanent means of stabilizing river bank and protective berms. Public Works, City Maintenance, DNR as may be applicable. (Local funds, PDM, Flood Disaster funds, community benefits program) HIGH PRIORITY |
| Stabilization | Plymouth County | New. Rip rap repair and assessment for permanent stabilization is in progress for a man-made berm surrounding a 20-acre lake south of Akron. Flooding in 2024 exceeding historic high flood marks by 5', resulting in significant deterioration of berm. County departments, IDNR as applicable (County budget item, disaster response funds as may be applicable, mitigation funds as may be available) HIGH PRIORITY |
| Stabilization | Sioux City | New: Tree replacement plan included in CIP. Replace trees that have been removed due to dead/diseased as means of soil stabilization, wind break, and relief from extreme heat/sun events. Parks & Recreation Department. Local funds via CIP, grants as available - DNR, tree foundations, MidAmerican, etc.) HIGH PRIORITY. |

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| Generator & Related Projects | All Counties | 2020: Assess availability of generators for all critical facilities, portable or permanent. Prep all critical facilities for connection to generators as applicable; <i>County EMA</i> (Varying levels of funds needed. Support may come through County, State, and Federal grant and loan programs) HIGH PRIORITY |
| Generator & Related Projects | Ida County | Completed. Community assessments of critical facilities and generator compatibility have been completed. The Courthouse addition is ready. Transfer switches are in place where needed for City offices in Battle Creek and Holstein. Findings where more transfer switches are needed have been included as new projects as collaborative efforts between the County and applicable communities. |
| Generator & Related Projects | Plymouth County | Implemented. County Courthouse, Courthouse Annex, and Law Enforcement office have added a generator with a \$300,000 investment. Portable generators are available for communities; no additional need for transfer switches. |
| Generator & Related Projects | Plymouth County | New. The County will continue this project, coordinating with communities to ensure their panels are prepped for connection. Cost will vary by facility. <i>County EMA, City public works departments.</i> (Emergency preparedness programs, BRIC, local funds, county funds) HIGH PRIORITY |
| Generator & Related Projects | All Cities | 2020: Assess availability of generators for all critical facilities, portable or permanent. Prep all critical facilities for connection to generators as applicable; <i>Public Works, Utility department heads</i> (Varying levels of funds needed. Support may come through local, county, State, and Federal grant and loan programs) HIGH PRIORITY |
| Generator & Related Projects | All School Districts | 2020: Assess availability of generators for all critical facilities, portable or permanent. Prep all critical facilities for connection to generators as applicable; <i>Plant Engineering,</i> (Varying levels of funds needed. Support may come through host City, County, District funds, State, and Federal grant and loan programs) HIGH PRIORITY |
| Generator & Related Projects | Akron | 2020: Transformer needed at wells to make ready for generator connections; <i>City Public Works & Waterworks Depts</i> (Local funds, Community benefit fund grants) HIGH PRIORITY |
| Generator & Related Projects | Akron | Update. Well #4 has been updated with a transformer switch and is ready as needed. Second is still needed for the North Well and is carried over to the 2025 Plan. |
| Generator & Related Projects | Akron | Implemented. A generator is in place at the Fire Station and 2 generators are incorporated into the Water Treatment Plant U.V. project underway (03/2025). |

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| Generator & Related Projects | Arthur | 2020: Interest in a dedicated generator for the waterworks; <i>City Waterworks/Public Works Maintenance</i> (Local Funds, PDM, Community Benefits grants) HIGH PRIORITY |
| Generator & Related Projects | Arthur | Complete. A mobile generator was added in 2020 using safety funds through insurance provider. City accrued annual allocation to help meet expense. |
| Generator & Related Projects | Arthur | 2020: Fire Dept - generator to maintain function of doors and building during a power outage; <i>Fire Chief, City Council</i> (Department funds, Community Benefit funds, Firefighter Association supports, PDM) HIGH PRIORITY |
| Generator & Related Projects | Arthur | Update. Project not completed due to lack of funds. Carry project into 2025 HMP. Department did attain mobile generator for use with the grass truck pump, but none are available for the facility. Priority based on likely funding opportunity, not need. Carry Over. Fire Dept - generator to maintain function of doors and building during a power outage; <i>Fire Chief, City Council</i> (Department funds, Community Benefit funds, Firefighter Association supports, PDM) LOW PRIORITY |
| Generator & Related Projects | Cherokee CSD | 2020: Generator on facilities list but implementation not scheduled; <i>School Board, Collaboration with city hosting facility, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Akron-Westfield CSD | Update. Project was not implemented as other facilities updates took precedence. Project will carry to 2025 HMP. Carry over. Generator on facilities list but implementation not scheduled; <i>School Board, Collaboration with city hosting facility, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Aurelia | Carry over (moved from Improve Existing Facilities). Community ctr updates to improve capacity to serve as refuge location in the event of an emergency. Transfer switch added to community center after 2021 tornado, funded privately. Dedicated generator still needed. Cost estimate provided in 2023 is \$55,000. Portion of funds have been set aside. Project pending availability to cover balance. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Battle Creek | New. Transfer switches are need for critical facilities including: Community Center, City Shed/Ambulance Shed, Lift Station, wells. This meets minimum needs in power outages enabling use of mobile generators available through county |

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| | | or private entities. <i>City Council, County EMA</i> (Local funds, PDM, public safety funds as may be available, community benefit funds) HIGH PRIORITY |
| Generator & Related Projects | Battle Creek | New. Dedicated generator for lift station &/or wells. One mobile available but insufficient if several systems are cut from power. Primary use is for wells. Estimated cost \$50,000. <i>City Council, County EMA</i> (Local funds, PDM, public safety funds as may be available, community benefit funds) HIGH PRIORITY |
| Generator & Related Projects | Blencoe | 2020: Generators; city hall/community ctr which operates as command center as needed; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Blencoe | Update. Generators were included for lift stations in two water works project – Sewer (2022) and Wastewater Treatment Plant (2019). Carry over. Generators as noted in 2020 are planned for implementation at the N Manley Lift Station, estimated cost: \$35,000. Public Works. (Local funds, pre-disaster funds) HIGH PRIORITY |
| Generator & Related Projects | Blencoe | New. In addition to the lift station project, generators are planned for the Community Center (to be established as Command Center) and the Fire Station (to maintain operations in the event of a disaster) at the estimated cost of \$35,000 each. Public Works. (Local funds, pre-disaster funds) HIGH PRIORITY |
| Generator & Related Projects | Bronson | 2020: Generator for Community Center/City Hall and critical facilities; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Bronson | Update. Due to lack of funding, the project was not implemented. Carry over. The City is still seeking funding supports and will carry project into 2025 Plan with modified priority level. City has designated Community Center as refuge site/command center in the event of an emergency. A dedicated generator would facilitate that use. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) MEDIUM PRIORITY |
| Generator & Related Projects | Cherokee (City of) | 2020: Generators needed for Water Plant and Wastewater Plant; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |

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| Generator & Related Projects | Cherokee (City of) | <p>Update. The Wastewater Treatment Plant is in the process of being relocated due to flooding.</p> <p>In progress. Generator for the Water Plant has been purchased, installation pending. Project was funded via bond and FEMA grant (disaster declaration funds)</p> |
| Generator & Related Projects | Cherokee (City of) | <p>New. A generator is needed for the community center which serves as a refuge/shelter center during extended power outages and as needed for extreme weather or crisis events. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY</p> |
| Generator & Related Projects | Cherokee (City of) | <p>New. A generator is needed for the community center which serves as a refuge/shelter center during extended power outages and as needed for extreme weather or crisis events. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY</p> |
| Generator & Related Projects | Cherokee (City of) | <p>New. Generators are needed for Radio Repeaters that are essential for communications between the Police Department and Public Works, especially during power outages. Current backup is supplied via battery which is intended to bridge connections until a dedicated power source is (re)connected, lasting no longer than 30 minutes. Repeaters are located on</p> <ul style="list-style-type: none"> - Hill Street Water tower - Main water tower at the intersection of Hwy 59 and Hwy 3 <p>The generators would serve dual purpose, also powering the pumps and equipment at respective towers to maintain functionality of the water system. <i>Public Works, County EMA</i> (PDM funds as available, CDBG DR as applicable, Response/Communications funds as available) HIGH PRIORITY</p> |
| Generator & Related Projects | Cherokee County | <p>2020: Two trailer-mounted generators to facilitate county response efforts <i>County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY</p> |
| Generator & Related Projects | Cherokee County | <p>Update. 1 in place 100kw unit owned by the state is housed at the EMA offices. 2nd unit as well as other generator needs are carried into the 2025 HMP.</p> |
| Generator & Related Projects | Cherokee County | <p>Carry over. trailer-mounted generator needed to facilitate county response efforts <i>County EMA</i> (Local funds – not yet allocated, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY</p> |

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| Generator & Related Projects | Cherokee County | New. On-site generator needed for EOC/EMA for continuity of operations extreme weather events and other disasters. Estimated cost @ \$350,000. <i>County EMA</i> (Local funds – not yet allocated, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Cherokee County, Cherokee CSD | New. generator to facilitate use of High School as refuge / shelter location <i>County EMA, School Superintendent / Board, City of Cherokee</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Cherokee County | 2020: On-site permanent generator for Courthouse; <i>County EMA</i> (County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Cherokee County | Update. Not implemented as funding has not been dedicated to project. Still needed and carries over to 2025 HMP. Carry over. On-site permanent generator for Courthouse; <i>County EMA</i> (County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Danbury | 2020: Portable generator <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Danbury | Update. Project still needed. Lagoon project has taken precedence for current year. Project will carry to 2025 HMP. |
| Generator & Related Projects | Danbury | Expanded - carry over. Portable generator needed for water plant with potential to serve various facilities. Added: Transformer switches needed to enable connections. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds, local funds) HIGH PRIORITY |
| Generator & Related Projects | Hinton | 2020: Generators for Lagoon Lift Station & @ 1 well location; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Hinton | Complete. Part 1 of this project is complete with a generator added at the well location in 2022. |
| Generator & Related Projects | Hinton | New. This project will carry over into the 2025 plan maintaining the planned Lagoon Lift Station generator (scheduled for 2026) and the addition of need for a generator at the Public Safety Building. The project at the lagoon includes a loop connection with the Electric Company. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, BRIC, Community Benefits funds) HIGH PRIORITY |

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| Generator & Related Projects | Holstein | 2020: Permanent, dedicated generators @ lift stations & water plant; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Holstein | Carry over. The City has received quotes to initiate the project. Planned cost is \$197,000. Support funding has not been secured. This carries over into the project list for the 2025 Plan. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, pre-disaster/mitigation funds as available, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Ida County | New. County is considering funding opportunities to ensure all communities are equipped with generators and/or transfer switches at City Halls/Community Centers and Fire Departments. <i>County EMA, City Emergency Response Department(s)</i> , (Varying levels of funds needed. Support may come through County, State, and Federal grant and loan programs) HIGH PRIORITY |
| Generator & Related Projects | Ida County | New. Add generator or transfer switch capacity to each County Department to ensure continuity of operations in the event of a disaster. Consider relocation opportunities in the event of displacement during and after absence of dedicated power source. County EMA |
| Generator & Related Projects | Ida Grove | 2020: Transfer switches at all critical facilities to enable use of generators; Generators @ Critical Facilities including Waste Water Plant; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Ida Grove | Completed. Water Tower and Well Site improvements included necessary connections. Odebolt Creek Lift Station is ready for portable connection. Water Plant updates included a transfer switch and plumbing of gas lines (\$30,000) Additional connections and generators are still needed and project will carry into 2025 Plan. |
| Generator & Related Projects | Ida Grove | Carry over. Dedicated generators needed at City Hall and Moorhead Avenue. An additional portable generator is needed to serve all lift stations with that one generator dedicated to moving between stations as appropriate. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |

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| Generator & Related Projects | Ida Grove | New. Generator needed at Rec Center to facilitate function as refuge/shelter designation during disasters and other extreme hazard events. <i>City Council, Public Works, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Kingsley | 2020: Generators needed at lift station, water plant, and lagoon; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Kingsley | Completed. Generators are in place at the lift station and lagoon. Cost? |
| Generator & Related Projects | Kingsley | Carry over. The project will be carried into the 2025 HMP as it is still necessary. A portion of the backup power needs are included in the Water Plant replacement project slated for FY2026. Estimated project budget is \$5.5M. <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, BRIC, Community Benefits funds, USDA) HIGH PRIORITY |
| Generator & Related Projects | Kingsley | New. The city has purchased a generator (\$50,000) for the community center. Funds have not yet been fully designated for installation. Cost to be determined pending correlation to other like projects. <i>City Council, Public Works, County EMA</i> as may be needed. (Local funds, safety/emergency response funds as may be available, pre-disaster/mitigation funds as may be available. HIGH PRIORITY |
| Generator & Related Projects | Kingsley-Pierson CSD | New. Highschool currently has a generator as installed in 1979. A new generator is need to meet capacity of updated facility and to ensure viability for use as a refuge location in the event of a disaster or other extreme event. Interest in transfer switches at all facilities. <i>Superintendent, District Maintenance/Crew, Plymouth and Woodbury County EMAs as applicable</i> (district and local funds, county supports, PDM as may be applicable) HIGH PRIORITY |
| Generator & Related Projects | Lawton | 2020: Generator needed for Fire Department; <i>Fire Chief, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Lawton | Complete. Phase I is complete. A generator has been purchased for the Fire Department. A new project for 2025 HMP is for hook-up and installation. |
| Generator & Related Projects | Lawton | New. Prepare generator connection and install at Fire Station. <i>Fire Chief, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Mapleton | Correction to the 2020 Plan stating generator was added. Additional generators are needed to maintain function of |

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| | | critical facilities during disastrous and other extreme events. <i>City Administrator, Waterworks, County EMA</i> (City funds, community benefit funds, IDOT program funds, PDM funds) HIGH PRIORITY Update. Project not completed due to lack of dedicated funding. Transfer switches were installed at light plant, equipped to handle in-the-moment outages, primarily intended for short-term. |
| Generator & Related Projects | Mapleton | Carry over. Additional generators are needed to maintain function of critical facilities during disastrous and other extreme events. <i>City Administrator, Waterworks, County EMA</i> (City funds, community benefit funds, IDOT program funds, PDM funds) HIGH PRIORITY |
| Generator & Related Projects | Marcus | 2020: Generator for Fire Department to enable use as emergency shelter. <i>Fire Chief, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Marcus | Carry over. Project is in progress as an included component of a Fire Station Expansion Project. As of late 2024, the pad has been laid and a dedicated generator is planned. As of December 2024, local budget is the primary funding source with the city continuing to consider additional options. <i>Fire Chief, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, BRIC, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Marcus | New. Install transfer switch at Community Center, a critical facility as it serves a command center, refuge/shelter as needed in the event of a disaster or extreme event. Facility available for residents, students, and nearby communities as may be necessary. |
| Generator & Related Projects | Marcus | 2020: Generator Water Plant – maintain function during power outage; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Marcus | Closed. Community will coordinate with county for mobile generator use as needed. |
| Generator & Related Projects | Marcus | 2020: Generator at Shelter house, also for use in the event of power outage during an emergency; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Marcus | Update. Action not taken due to lack of dedicated funding. Project is still needed and carries over to the 2025 HMP. |

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| Generator & Related Projects | Marcus | Carry over. Generator at Shelter house, also for use in the event of power outage during an emergency; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | MMC and RU CSDs | New. Both districts comprising MMC and RU are interested in outfitting their facilities with generators and related connection/transfer switches. This is especially relevant as facilities are likely to be designated as refuge/shelter locations in the event of a disaster. Priority level reflects lack of funding not level of need. <i>Superintendent, Maintenance depts of each district, Host County EMAs</i> (district funds, host community and county supports, PDM funds as may be available) LOW PRIORITY |
| Generator & Related Projects | Monona Co | New. County is seeking opportunity to purchase mobile generator allowing flexibility to meet needs at varying locations as needed. <i>County EMA, County Board</i> (annual budget, public safety/response funds, PDM as available) HIGH PRIORITY. |
| Generator & Related Projects | Moorhead | 2020: Generators - city hall/community ctr that operates as command center as needed; Potential partnering with County to establish Command Center capacity in the event of an emergency; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Moorhead | Update. No action has been taken on this project due to lack of funding availability. The project is still needed and therefore will be carried over to the 2025 HMP. Carry over. Generator for fire station/Community Center as this facility is designated for refuge/shelter and command center in the event of an emergency. <i>Public Works, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, BRIC, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Moorhead | New. A DNR notification was received during routine inspection of the lagoon that the generator in place is antiquated and presumed unreliable necessitating urgent priority for replacement. Community goal is to move to attain necessary funding and implement project as soon as possible. <i>Public Works, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, BRIC, IDNR, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Moville | New. City is looking at generator purchases for Fairgrounds (County collaboration), Community Center and Fire Hall. Community Center serves as shelter when open. <i>City, Public</i> |

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| | | <i>Works, County EMA</i> (local funds, pre-disaster/mitigation funds as available) HIGH PRIORITY |
| Generator & Related Projects | Onawa | 2020: Additional generators; <i>City Administrator, Waterworks, County EMA</i> (City funds, community benefit funds, IDOT program funds, PDM funds) HIGH PRIORITY |
| Generator & Related Projects | Onawa | Update: Some generator work has been completed, replacing generators at 3 sites (Fire Station, Electric Building, and Waterworks) and one new generator installed at Sewer Plant. A generator is also onsite at the hospital. The community center is still in need of a generator. This will be carried over to the 2025 HM project list. |
| Generator & Related Projects | Onawa | Carry over. Generators needed for Community Center and Nursing Home. <i>City Administrator, Waterworks, County EMA</i> (City funds, community benefit funds, IDOT program funds, PDM funds) HIGH PRIORITY |
| Generator & Related Projects | Oyens | New. As part of an infrastructure improvement project for the city's water systems, the city is looking at opportunities to include a dedicated generator at its wastewater treatment plant. Cost is to be determined and will dictate whether a dedicated generator is added or if a transfer switch alone is incorporated into the project. If a transfer switch is the implemented solution, the city will pursue funds for a mobile generator for use between its facilities. <i>City Council, contracted engineering firm, DNR.</i> (USDA, DNR, CDBG, Local funds, PDM) HIGH PRIORITY |
| Generator & Related Projects | Oto | New. Oto is seeking the opportunity to purchase a generator to facilitate operation of critical functions during power outages. <i>Public Works, County EMA</i> (local funds, community foundation grants, pre-disaster/mitigation funds as available. MEDIUM PRIORITY |
| Generator & Related Projects | Pierson | 2020: Generator for Community Building for continuation of use as refuge location in the event of power outage; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Pierson | |
| Generator & Related Projects | Quimby | New. Interested in generators for Fire Station and warning siren as means of maintaining operations & communication during power outages and as need in response efforts. <i>Fire Dept, City Council, Public Works, County EMA</i> (Local supports, fundraising, response funds as may be available, PDM funds, community benefit funds) HIGH PRIORITY |

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| Generator & Related Projects | Ridge View SD (Galva-Holstein) | New. Generators and transfer switch installment need for facilities throughout the district. Galva-Holstein Elementary is all electric, allowing for no recourse should there be a power failure (heat in winter, hot water, lights, etc.). District is seeking opportunity to provide backup power to sustain operation during school year and to enable use a community refuge location in a major disaster/evacuation situation. <i>School Superintendent, City Council, City Public Works, School Facilities team, County EMA.</i> (School funds, city support funds and/or partner for grant opportunity through PDM.) HGIH PRIORITY |
| Generator & Related Projects | River Valley CSD | NEW. Generator(s) needed to maintain operation/function in greater capacity in the event of loss of power. School facilities serve as refuge /shelter location for Correctionville and neighboring communities. District interested in partnering with city, county, in coordinating generator, or at minimum generator connection. Cost with full facility function up to \$300, 000. <i>School Superintendent, City Council, City Public Works, School Facilities team, County EMA.</i> (School funds, city support funds and/or partner for grant opportunity through PDM.) HIGH PRIORITY |
| Generator & Related Projects | Sgt Bluff | 2020: Generator for PD; <i>Police Chief, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Sgt Bluff | Project closed. One large portable generator is available as needed. Police Department is prepared for such connection if needed. Fire Station has been designated as command center in the event of an emergency and is equipped to serve that role. |
| Generator & Related Projects | Sgt Bluff | New & Completed. Large capacity generator for Interstate Lift Station (2023 @ \$55,000). Funding source? |
| Generator & Related Projects | Sgt Bluff | New: Dedicated generator still desired at Fire Department should funding become available. Fire Station serves as designated command center as needed. |
| Generator & Related Projects | Sgt Bluff-Luton CSD | New. Generator connections at all facilities. <i>Maintenance, County/City collaboration as applicable for refuge location designation</i> (district, city, county funds, PDM as available) LOW PRIORITY |
| Generator & Related Projects | Sioux City | 2020: Generators for critical facilities where none are currently in place; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Sioux City | Update: Generators still needed at Police Department and other City Facilities. Project remains necessary and carries into 2025 plan. <i>City Council, County EMA</i> (Local funds, County |

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| | | supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Smithland | New. Generators are needed at the Wastewater Plant and Fire Hall as means of maintaining operations during power outages. <i>City Maintenance, County EMA</i> (local funds, community benefit funds, fundraisers, pre-disaster / mitigation funds as available) |
| Generator & Related Projects | Soldier | New. City is interested in having dedicated generator for critical facilities. City Council, Public Works (Local funds, PDM as available, community benefit grants, public safety funds as may be available) HIGH PRIORITY. |
| Generator & Related Projects | Ute | 2020: Generator for community building; City Hall; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Ute | Update. Ute implemented several projects in the past 5 years, resulting in this one being delayed. This project carries over into the 2025 HMP with continued high priority. |
| Generator & Related Projects | Ute | Carry over. Generator for community building; City Hall; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, pre-disaster/mitigation funds as available, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Whiting | <p>New. There are no generators and no transformer switches in place for critical facilities. City is developing 2 new projects with generators needs identified. Generator also needed at sewer plant lift station.</p> <ol style="list-style-type: none"> 1. water plant project in a phased overhaul, including consideration of another well (local, state, federal supports including loan ops) 2. New building for Fire Department (city funded at present, likely to include fundraising and community benefit funds) 3. Sewer plant lift station (not associated with other active or planned project) <p>Addition of generators will enable continuity of operations in the event of a power outage. Public Works, County EMA (local funds, project funds as applicable, PDM funds as available) HIGH PRIORITY</p> |
| Generator & Related Projects | Westwood CSD | 2020: Generator for backup during crisis events & to maintain use as refuge location in event of power outage; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |

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| Generator & Related Projects | Westwood CSD | <p>Update. Project has not been completed with funding and other projects taking precedence. Still interested in dedicated generator and transfer switches at minimum.</p> <p>Carry over. Generator for backup during crisis events & to maintain use as refuge location in event of power outage or other emergency. <i>Superintendent, School Board, City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY</p> |
| Generator & Related Projects | Woodbury Co | 2020: All communities: Standby generator on site for each Community Center/City Hall as may be designated for command center during a disastrous event) LOW PRIORITY |
| Generator & Related Projects | Woodbury Co | <p>Update. Some communities have added generators and/or transfer switches to accommodate mobile equipment. The county will continue to pursue opportunity to install dedicated generators where necessitated and transfer switches where still needed.</p> <p>Carry over. Standby generator on site for each Community Center/City Hall as may be designated for command center during a disastrous event) LOW PRIORITY</p> |
| Generator & Related Projects | Woodbury Co | 2020: A generator needed at Courthouse; <i>City Council, County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |
| Generator & Related Projects | Woodbury Co | Update. Carry over to 2025 plan. Plans in place to apply for generator through HMGP funding source. There are 2 small mobile generators available however, capacity is insufficient for extended period of need. |
| Generator & Related Projects | Woodbury Co | New. 1 dedicated/fixed and 1 mobile generator needed for secondary roads to <i>County Board of Supervisors County EMA</i> (Local funds, County supports, State/Federal response funds, PDM, Community Benefits funds) HIGH PRIORITY |

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| Policy | All Counties | 2020: Implement Policy/formalize Procedure as needed to cross-reference development and planning documents to address multiple needs with new projects including but not limited to Comprehensive Plans, Capital Improvement Plans, Economic Development guidance, County Code of Ordinances, Zoning, and emergency response plans. <i>County Board, School Board, SIMPCO/Contracted consultation</i> (procedural cost minimal as part of scheduled actions; some expense may be incurred to develop plans and may be funded through County funds, State planning funds) MEDIUM PRIORITY |
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| Policy | All Cities | 2020: Implement Policy/formalize Procedure as needed to cross-reference development and planning documents to address multiple needs with new projects including but not limited to Comprehensive Plans, Capital Improvement Plans, Economic Development guidance, local legislation, zoning, and emergency response plans. <i>City Council, SIMPCO/ Contracted consultation</i> (procedural cost minimal as part of scheduled actions; some expense may be incurred to develop plans and may be funded through local funds, State planning funds) MEDIUM PRIORITY |
| Policy | Sioux City | Implemented. City implemented standards of practice during COVID that serve as basis for future events that may require such measures including but not limited to public health and safety protections. |
| Policy | All School Districts | 2020: Implement Policy/formalize Procedure as needed to cross-reference development and planning documents to address multiple needs with new projects including but not limited to Comprehensive Plans, Capital Improvement Plans, and emergency response plans. <i>School Board, District Administration</i> (procedural cost minimal as part of scheduled actions; some expense may be incurred to develop plans and may be funded through District planning funds) MEDIUM PRIORITY |
| Policy | Onawa | 2020: Review/revision of subdivision regulations to address runoff concerns resulting from displacement; <i>City Council, Zoning Commission, City Attorney</i> (Local funds) MEDIUM PRIORITY |
| Policy | Onawa | Update. No action taken on this item. Needs have been clarified, necessitating the inclusion of water diversion in plans. Formalizing discussed recommendations to subdivision plans is carried over to the 2025 HMP, with elevated priority. |
| Policy | Onawa | Carry over. Review and formal revision of subdivision regulations to address runoff concerns resulting from displacement. <i>City Council, Zoning Commission, City Attorney</i> (Local funds) HIGH PRIORITY |
| Policy | Rodney | New. Interest in update Municipal Code of Ordinances, pending funding opportunities. <i>City, Contracted services</i> (local funds, community betterment grants, public safety/wellness grants) LOW PRIORITY |
| Policy | Whiting | 2020: Consider formalizing reference to DNR for Floodplain Development; <i>City Council, Zoning Commission, City Attorney</i> (Local funds) LOW PRIORITY |
| Policy | Whiting | Complete. City completed floodplain update in coordination with IDNR. City is participating in county-wide efforts to counter flooding. No cost associated with project outside of staffing hours. |

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| Equipment | Aurelia | 2020: Additional equipment for Emergency Response needed in lieu of resident-owned materials. Items considered include but are not limited to ATV and Rescue Boat. <i>City Council, Fire & Rescue Services, Police Department</i> (Local funds, fundraising, community betterment funds) MEDIUM PRIORITY |
| Equipment | Aurelia | Complete. City added ATV to city inventory. No further action anticipated for this project. |
| Equipment | Battle Creek | 2020: Equipment updates and additions needed for Fire Department and Ambulance Services. <i>City Council, Fire Chief, Ambulance Director.</i> (Local funds, fundraisers, community benefit funds, firefighter association funding programs). HIGH PRIORITY |
| Equipment | Battle Creek | Complete. The FD and Ambulance service added several pieces of equipment in recent years including: <ul style="list-style-type: none"> • 2 grass rigs & tanker (\$275,000) – fundraisers, grants • Transfer switch for FD • Compressor to fill air cans • Power Cot (\$30,000) • New ambulance ordered – (\$287,000) fundraising, grants, service billings, donations |
| Equipment | Battle Creek | New: New radios and operating system is needed. City needs communications improvements to better accommodate mutual aid calls. Current system does not connect with Woodbury County (on a state system) which is problematic for regional and mutual aid needs. Cost estimate not readily available. County EMS/EMA, FD, City Council (Local funds, PDM, public safety systems, county funds as may be applicable) HIGH PRIORITY |
| Equipment | Blencoe | New. Interest in coordinating resource attainment (such as cots) in the event of an emergency where refuge/shelter designation is necessary. No cost expected to be associated with process aside from staff time. <i>City, local partnering response agencies, state and federal programs such as Red Cross.</i> (local and response funds as available/necessary) HIGH PRIORITY |
| Equipment | Blencoe | New. Mobile pumps needed for stormwater transfer. Estimated project cost is \$50,000. <i>Public Works.</i> (City funds, FMA, Disaster Mitigation/Disaster Response funds as available) HIGH PRIORITY |

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| Equipment | Bronson | Implemented. City purchased Stair Chair (lift) for ambulance to facilitate building exit for persons otherwise requiring use of a mobility device (such as a wheelchair or walker) in the event of an emergency and/or evacuation when stairs are involved. Cost: \$990. Local funds. |
| Equipment | Cherokee | New. Equipment needed for various city departments includes: brush truck (FD), side-by-side to improve access during extreme weather events, and pumps for stormwater transfer. Public Works, Fire Department, Streets Dept. (Local funds, emergency response funds, disaster mitigation & disaster response funds as may be available) HIGH PRIORITY |
| Equipment | Correctionville | 2020: ATV with water tank capacity - remote access for fire response and other uses as applicable; <i>City Council, Fire Chief</i> (City funds, Fire Department funds, Fire Association funds, fundraisers, Community Benefit funds, Federal funds for response programs) HIGH PRIORITY |
| Equipment | Correctionville | Complete. \$55,000 project complete 2022 – funded through grant (USDA). |
| Equipment | Danbury | 2020: Pumps; <i>City Council, Public Works, collaboration with County EMA</i> (Local funds, County funds, Community Benefit funds, fundraising, Federal programs, PDM) HIGH PRIORITY |
| Equipment | Danbury | Resolved. City has worked out agreement with Fire Department. FD will provide equipment as needed. |
| Equipment | Danbury | 2020: Utility ATV/snowmobile; <i>City Council, Fire Chief, Public Works, collaboration with County EMA</i> (Local funds, County funds, Community Benefit funds, fundraising, Federal programs, PDM) MEDIUM PRIORITY |
| Equipment | Danbury | Complete. City purchased a Gator in 2020 using local funds. |
| Equipment | Hinton | 2020: Mobile pump; <i>City Maintenance/Public Works</i> (City funds) MEDIUM PRIORITY |
| Equipment | Hinton | Carry over. Project still needed and funds were not sourced. City expects to implement project using local funds. <i>Public Works.</i> (City funds, local community benefit funds) elevate to HIGH PRIORITY. |
| Equipment | Hinton | New. City is interested in acquiring road barriers/blockade equipment for use during emergency road closure situations. <i>City Council, Public Works, Streets Dept</i> (City funds, Community Benefit funds, Response support funds) MEDIUM PRIORITY |

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| Equipment | Hinton | 2020: ATV for use during road blockage and flood staging; <i>City Council, Streets Dept</i> (City funds, Community Benefit funds, Response support funds) MEDIUM PRIORITY |
| Equipment | Hinton | Completed. City purchased ATV for use when roadways or points of entry are inaccessible (storm debris, etc.) in 2022. |
| Equipment | Hinton | New. City is interested in additional ATV for general use city-wide to ensure access as needed when multiple departments are active. <i>City Council, Public Works, Streets Dept</i> (City funds, Community Benefit funds, Response support funds) LOW PRIORITY |
| Equipment | Holstein | 2020: Additional snow removal equipment; <i>City Council, Public Works/Maintenance</i> (Local funds) LOW PRIORITY |
| Equipment | Holstein | Completed (pending delivery). Equipment has been purchased but item is on backorder. Expected availability May 2025. |
| Equipment | Holstein | Implemented (pending delivery). City has ordered an ambulance. Cost not provided. City council, Emergency Services. (Local funds, fundraising). |
| Equipment | Hornick | New. Interested in new communications radios. Potentially available through County supports. <i>City staff, County EMA</i> (Local funds, Response/Community Safety programming) MEDIUM PRIORITY |
| Equipment | Ida County | 2020: Sandbag fillers. Only 2 are available in the region and flooding often impacts several counties concurrently. Interest in accumulating a stockpile to meet multiple community needs. <i>County Engineer, EMA, Regional collaboration</i> (Collective County funds , PDM) HIGH PRIORITY |
| Equipment | Ida County | |
| Equipment | Ida County | 2020: ATV for access to levees for inspection regardless of road conditions. <i>County EMA</i> (County funds) MEDIUM PRIORITY |
| Equipment | Ida County | |
| Equipment | Ida County | 2020: Additional road closure barricades are needed with consideration to be given to another trailer in order to haul to multiple locations. To accommodate approximately 80 roadways are subject to closure in the event of an emergency. <i>County Engineer, EMA</i> (County Funds, PDM) HIGH PRIORITY |
| Equipment | Ida County | |

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| Equipment | Ida Grove | 2020: Snow removal equipment needs updating. <i>City Streets Department</i> (City funds) LOW PRIORITY |
| Equipment | Ida Grove | |
| Equipment | Ida Grove | 2020: Motor in the grader needs updating. <i>City Streets Dept</i> (City funds) MEDIUM PRIORITY |
| Equipment | Ida Grove | |
| Equipment | Ida Grove | 2020: Larger capacity pump; <i>Public Works, Streets Dept</i> (City Funds, PDM, Community Benefit funds) HIGH PRIORITY |
| Equipment | Ida Grove | |
| Equipment | Ida Grove | 2020: New booster pump is needed to support fire hydrant performance. <i>Fire Chief, City Administrator</i> (City funds, Fire Dept funds, Response support funds) MEDIUM PRIORITY |
| Equipment | Ida Grove | |
| Equipment | Le Mars Community Schools | New. District is interested in acquiring weather radios for each facility. <i>Superintendent, School Board, County EMA</i> (County EMA and related supports) HIGH PRIORITY |
| Equipment | Mapleton | 2020: Lift station for water plant; <i>City Water Supt</i> (City funds, PDM) HIGH PRIORITY |
| Equipment | Mapleton | Carry over. Project has not been completed and carries over to the 2025 HMP. Lift station for water plant; <i>City Water Supt</i> (City funds, PDM) HIGH PRIORITY |
| Equipment | Monona Co | 2020: Region-shared equipment such as high capacity snow blower. <i>County Roads, collaboration between County Roads departments</i> (County funds—potentially multiple, IDOT funds) LOW PRIORITY |
| Equipment | Monona Co | Update. No action has been coordinated between counties for shared use of high-performance equipment. This project will carry over to 2025 HMP. |
| | Monona Co | Carry over. Region-shared equipment such as high capacity snow blower. <i>County Roads, collaboration between County Roads departments</i> (County funds—potentially multiple, IDOT funds) LOW PRIORITY |
| Equipment | Monona Co | 2020: Communications Trailer. <i>County Board, EMA</i> (County funds, PDM) MEDIUM PRIORITY |

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| Equipment | Monona Co | Complete. The EMS department has a fully equipped trailer that serves as a mobile response unit, training, center, and refuge/shelter location as needed. |
| Equipment | Monona Co | 2020: Trailer designated for road barricade set-up; <i>County Engineer</i> (County funds, IDOT, PDM) HIGH PRIORITY |
| Equipment | Monona Co | Update. No action taken on this item but project is still needed. Project carries over to 2025 HMP. |
| Equipment | Monona Co | Carry over. Trailer designated for road barricade set-up; <i>County Engineer</i> (County funds, IDOT, PDM) HIGH PRIORITY |
| Equipment | Moorhead | Implemented. Fire Department assed UTV to improve access to wild fires and other emergency needs not accessible by roadway. Project was funded through grants and local fundraising efforts. |
| Equipment | Moorhead | New. City interested in acquiring UTV for general multi-departmental city use to improve access and maneuverability ranging from clean-up to pest prevention, etc. <i>Multi-departmental involvement.</i> (City funds, Emergency Response funds as available, local foundation grants, fundraising) HIGH PRIORITY |
| Equipment | Moville | 2020: Drone for Fire Department -- assess and prepare before entering situation; determine best approach for grass fires, etc.; Assess areas of concern. <i>Fire Chief, City Council</i> (Department funds, Response support funds, PDM) MEDIUM PRIORITY |
| Equipment | Moville | |
| Equipment | Onawa | 2020: Snow removal equipment; <i>City Streets Dept</i> (City funds, transportation funds) LOW PRIORITY |
| Equipment | Onawa | In progress. A newer plow truck is added to the budget for 2026. Carry over. Additional equipment is still needed. Snow removal equipment; <i>City Streets Dept</i> (City funds, transportation funds) LOW PRIORITY |
| Equipment | Onawa | 2020: Pump with greater than 6" capacity – function @ 1,000 gallon per minute; City Administrator (City funds, PDM) HIGH PRIORITY |
| Equipment | Onawa | Update. Action not taken. Portable pump is still needed and carries over to the 2025 HMP with modified priority level. |

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| Equipment | Onawa | Carry over. Portable pump with greater than 6" capacity – function @ 1,000 gallon per minute; City Administrator, Public Works, potential for county collaboration (City funds, PDM) LOW PRIORITY |
| Equipment | Onawa | 2020: Boat; <i>City Administrator, Fire Chief collaboration</i> (City Funds, Response support funds, PDM) LOW PRIORITY |
| Equipment | Onawa | Project closed. Action not taken. FD has not indicated dire need for new rescue boat Project removed from priority list. |
| Equipment | Oto | 2020: Fire Dept in need of equipment and new facility; <i>Fire Chief</i> (City support, Department funds, Fire Association funds, FEMA AFG, CDBG facilities funds, State Revolving Fund loan) LOW PRIORITY |
| Equipment | Oto | Update. Facility and equipment improvements are still needed for the Oto Volunteer Fire Department. No action has been taken due to lack of funds. This project will carry into the 2025 HMP. Priority reflects feasibility, not need. |
| Equipment | Oto | Carry over. Fire Dept in need of equipment and new facility; <i>Fire Chief</i> (City support, Department funds, Fire Association funds, FEMA AFG, CDBG facilities funds, State Revolving Fund loan) LOW PRIORITY |
| Equipment | Pierson | 2020: ATV for use during road blockages; <i>City Council</i> (City funds, PDM) Low PRIORITY |
| Equipment | Pierson | |
| Equipment | Plymouth County | Implemented. Plymouth County Law Enforcement added equipment to increase efficiency of services, especially in emergency situations. Additions include Bearcat, Incident Command Trailer, and multi-use (80-person capacity) Shelter trailer. <i>County law Enforcement.</i> (ARPA funds). |
| Equipment | Remsen | New. Fire Department is in need of equipment replacements including 12 SCBA units with harness/backpack, face piece, and 2 cylinders each and 24 spare cylinders. Cost at last estimate is about \$122K. <i>City Council, Fire Chief & Department reps</i> (local funds, AFG grant if awarded, community benefits funds). HIGH PRIORITY |
| Equipment | River Valley CSD | New. District interested in acquiring additional response equipment including but not limited to De-Choker devices to be made available in several key locations throughout district facilities. These devices offer low-cost lifesaving solutions. <i>School board, Superintendent, internal emergency response team.</i> (District funds, grants) HIGH PRIORITY |

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| Equipment | Sgt Bluff | 2020: Pumps for clean water transfer; City Administrator, Streets Department (City funds, PDM) HIGH PRIORITY |
| Equipment | Sgt Bluff | Complete. Pumps for use in diverting accumulated water during flooding and heavy rain events have been added to city equipment inventory. Cost of project completion not provided. |
| Equipment | Sgt Bluff | 2020: Replace rescue boat. <i>Fire Department/EMS</i> (Department funds, City supports, Response support funds, fundraisers, PDM) LOW PRIORITY |
| Equipment | Sgt Bluff | Update. Fire Department has replaced pump tanker. Some additional equipment on budgeted (see new projects). Rescue boat replacement removed from priority list. |
| Equipment | Sgt Bluff | New. Handheld radios are in process of being replaced. Spring 2025 10 replaced with 4 still pending. <i>City, Fire Department.</i> (Local funds for those already replaced, Local funds and response funds as available for remaining) HIGH PRIORITY |
| Equipment | Sgt Bluff | New. Fire department replacing Ambulance at \$305,000. <i>City, Fire Department.</i> (Local funds, Response funds as available) HIGH PRIORITY |
| Equipment | Sgt Bluff | New. Replace AED units. 2 existing units aging out of effective life. Seeking funding supports. <i>City, Fire Department.</i> (Local funds, Response funds as available) HIGH PRIORITY |
| Equipment | Sgt Bluff | New. Replace Life Packs. 35 are aging out of useful life. Expected cost is \$60,000. <i>City, Fire Department.</i> (Local funds, Response funds as available) HIGH PRIORITY |
| Equipment | Sgt Bluff | New. Fire Dept planning replacement of Brush Truck pending funding availability. Replacement is approximately a year-long process with an estimated cost of \$100- to \$120,000. <i>City, Fire Department</i> (local funds, fundraisers, local community benefit funds, BRIC) HIGH PRIORITY |
| Equipment | Sgt Bluff | 2020: ATV for police Department to minimize access issues. <i>Police Dept</i> (Department funds, City supports, fundraisers, PDM) LOW PRIORITY |
| Equipment | Sgt Bluff | Update: UTV replacement has been initiated in budget conversations with a plan to replace at least one UTV within the next five years. Carry over. Replace 1 of 2 UTVs within 5 years. This remains a low priority activity. <i>City, Police Dept</i> (Department funds, City supports, fundraisers, pre-disaster/mitigation funds as applicable, emergency response equipment grants as available) LOW PRIORITY |
| Equipment | Sioux City | New. Add large capacity pump to city inventory. Estimated at \$210,000. Sioux City Utilities. (CIP FY 2026) HIGH PRIORITY |

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| Equipment | Struble | New. City identified need to obtain tanker to keep in town to support local response efforts. Without a local fire department, Struble's risk is significantly high. Priority level reflects likelihood of extended time frame for completion due to limited funding availability. City Council, County and State EMA and other response network supports as available (Local funds, fundraising, response equipment grants, community foundation/betterment funds) MEDIUM PRIORITY |
| Equipment | Whiting | 2020: Interest in additional/better performing snow removal equipment; <i>City Council</i> (City funds, IDOT program funds, PDM) LOW PRIORITY |
| Equipment | Whiting | Complete. The city has a box plow for tractor, new scraper, refurbished plow, and new (used) sander. Better removal plan is in place which included the addition of a part time position. |
| Equipment | Whiting | New. Whiting Fire Department in need of a new rig-grass fire truck. Estimated cost is \$300,000. Fundraising efforts focused on new building therefore local funds are constrained. Priority reflects fund availability, not level need. <i>Fire Dept, City Council</i> (Response support funds as applicable, PDM if available) LOW PRIORITY |
| Equipment | Woodbury County | 2020: Sandbagging equipment/HESCO bags; <i>County Engineer, potential collaboration with partner County</i> (County funds, IDOT program funds, PDM) HIGH PRIORITY |
| Equipment | Woodbury County | Complete (with ongoing inventory maintenance required). County acquired 10 pallets of HESCO bags in addition to two 2" pumps, a 6" pump. Bags and sandbagging equipment was issued to address current year flooding. Old stock was used first with remainder stored for future use. Bags hold an approximate 10-year useful life so no additional are needed at this time. |
| Equipment | Woodbury County | 2020: Additional trailer w/ 5 sets of road barricades. 3 trailered and ready to roll. 5 sets per trailer; <i>County Engineer,</i> (County funds, IDOT program funds, PDM) LOW PRIORITY |
| Equipment | Woodbury County | Project Closed. County determined that while extra equipment would be beneficial, it is not a practical cost consideration in the near future with county funds, nor response funding as may become available. |
| Equipment | Woodbury County | 2020: Additional pumps - 12" & 18" capacity; <i>County Engineer</i> (County funds, IDNR program funds, PDM) HIGH PRIORITY |
| Equipment | Woodbury County | Carry over. Current practice is to borrow from established resources as needed (local farmer). Should funding be available, county will further consider addition of such pumps to their inventory. Priority level is decreased. <i>County Engineer</i> (County funds, IDNR program funds, BRIC/FMA) LOW PRIORITY |

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| Safety/Security Equipment | Hinton CSD | New. District is considering opportunity to improve security systems for facilities including but not limited to locking systems with remote control capacity. <i>Superintendent, District Maintenance</i> (District funds, School safety program, fundraisers, local grant funds) HIGH PRIORITY |
| Safety/Security Equipment | Onawa | New. City is considering installing cameras in city buildings and parks. Recent bids estimate project cost at \$20,000+. Cameras would contribute to monitoring conditions in and potentially contributing to emergency situations. <i>City administrator, Parks Dept., Response teams</i> (City funds, community benefits, public safety grants as may be available) HIGH PRIORITY |
| Safety/Security Equipment | Sgt Bluff | New. Interested in acquiring and installing Flock Camera as means of community protection. This would be a collaborative effort with the City of Sioux City as a bordering community – due to planned placement, it may also be affected. <i>City of Sgt Bluff, City of Sioux City, SB PD, Public Works.</i> (City funds, Safety grants as available) HIGH PRIORITY |
| Safety/Security Equipment | Sgt Bluff | New. Collaborative effort to enable communication connections via software in Law Enforcement between City, County, and Sioux City. Cost estimates not currently available. <i>City of Sgt Bluff, City of Sioux City, Woodbury County Communications Center/EMA.</i> (Respective local funds, Response funds as available, public safety funds as available) HIGH PRIORITY |

| Development | | |
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| <ul style="list-style-type: none"> Correlate Capital Improvement Projects, Economic Development projects, scheduled maintenance and repairs to necessary mitigation actions. Consider (additional) properties for acquisition in high flood risk areas. Monitor effectiveness and applicability of adopted and/or referenced ordinances, policies, and programs guiding community growth such as development regulations and established building standards. Evaluate locations of critical facilities and utility infrastructure. Identify relocation and/or improvement projects that will allow continued function during and after natural hazard events. | | |
| <i>Goals Addressed</i> | <i>Hazards</i> | |
| 1, 3, 4, 5 | - Flood | - Thunderstorm w/Hail & Lighting |
| | - Grass or Wildland Fire | - Severe Winter Storm |
| Improve existing facilities & infrastructure | Aurelia | 2020: Improve capacity for Community Center to be designated as cooling shelter and/or refuge location for extreme weather conditions. <i>City Council, City Maintenance</i> (Local Funds, Community Betterment Funds, PDM) |

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| Improve existing facilities & infrastructure | Aurelia | <p>Update. City still interested in improving facility prep for use as shelter/refuge with specific project identified: add generator.</p> <p>Carry over. Project for generator added under appropriate category.</p> |
| Improve existing facilities & infrastructure | Cherokee | 2020: Improve capacity and function of sewer system; <i>City Waterworks</i> (City funds, USDA program funds, IDNR program funds) MEDIUM PRIORITY |
| Improve existing facilities & infrastructure | Cherokee | <p>Update: Carry over. The city has made some improvements, additional are still needed. Project priority remains the same.</p> <p>Improve capacity and function of sewer system; <i>City Waterworks</i> (City funds, USDA program funds, IDNR program funds) MEDIUM PRIORITY</p> |
| Improve existing facilities & infrastructure | Cherokee | New. City is planning ADA improvements to the Community Center to enable use as refuge/shelter in the event of a disaster resulting in residential displacement. Project includes addition of dedicated generator. <i>Public Works/Utilities, local responses teams.</i> (Local budget, CDBG, disaster response/disaster mitigation as may be available) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Cherokee | New. Saratoga Lift station needs improvements. Public Works (local budget) |
| Improve existing facilities & infrastructure | Cherokee | New. Increase well availability and function during flood events. One control panel raising project is in progress with at least one planned. Up to 3 are being considered. City is also adding one well outside flood zone. Costs were not immediately available. <i>Public Works/Utilities, local responses teams.</i> (Local budget, CDBG, disaster response/disaster mitigation as may be available) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Cherokee, Cherokee CSD | New. Collaborative effort to implement ADA improvements on school campus and at access routes as applicable throughout the City. Some projects have been implemented (no detail provided). Costs will be determined by project as implemented. <i>Cherokee Community Schools, City of Cherokee.</i> (accessibility grants, local funds, trail funds where applicable, wellness grants, Safe Routes to School funds as applicable, CDBG) HIGH PRIORITY. |
| Improve existing facilities & infrastructure | Cleghorn | 2020: Improve infrastructure to better accommodate weather extremes such as heavy rain, frost/heave conditions – especially water lines and related infrastructure. <i>City Council, City Staff</i> (Local funds, capital improvement funds, DNR program funds). HIGH PRIORITY |

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| Improve existing facilities & infrastructure | Cleghorn | Update. No specific action was taken to permanently address this concern. City will continue to implement mitigative measures within funded projects but will not continue to carry this as a priority item in the 2025 HMP. |
| Improve existing facilities & infrastructure | Correctionville | New. City is in the planning stages of replacing its critical water systems infrastructure. The well, water tower, and water mains are all in need of replacing. Generators/transfer switches anticipated as part of planned projects where applicable. Public works, contracted services, IDNR, USDA (Disaster Recovery funds, CDBG, USDA, local funds, SRF for design) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Cushing | 2020: Extensive repairs on City Hall/Community Building necessary due to cumulative damages from wind, heavy snow, heavy rain, and fluctuating weather conditions. <i>City Council, City Maintenance</i> (City funds, Community Catalyst Building Remediation funds, Facility Improvements funds, PDM) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Cushing | Completed. \$20- to \$30,000 has been invested in City hall improvements. Over \$1M have been invested in water systems improvements including a lift station and water distribution system improvements. Funding included \$350,000+ DNR grant, IFA funds, \$890,00 loan, and \$150,000+ in imminent threat funds (water mains). |
| Improve existing facilities & infrastructure | Galva | 2020: Wastewater Plant upgrades are pending response from Iowa DNR. <i>City Council, IDNR</i> (IDNR program funds, City funds, State/federal loan programs) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Galva | Substantially Completed . Anticipated project closure Feb 2025. Project costs not provided. |
| Improve existing facilities & infrastructure | Galva | New. City Hall façade improvements are in the planning stages. Estimated cost is \$15,000 - \$20,000, which will in part substantiate building integrity. <i>City staff, contracted services as applicable.</i> (Local funds) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Galva | New. Shelter House and other City Park improvements. <i>City staff, contracted services as applicable.</i> (Local funds, community betterment funds, fundraisers, Galva Economic Development Corporation) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Hinton | 2020: Water booster to improve capacity as accesses through fire hydrants. <i>City Waterworks, Fire Chief</i> (City funds, Fire Department funds, PDM) MEDIUM PRIORITY |
| Improve existing facilities & infrastructure | Hinton | Update: No specific actions were taken to address this strategy. Carry over. Capacity improvements are still desired through specific fire hydrants. Not a current over-riding concern. City will continue to seek funding opportunities to implement |

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| | | project. <i>City Waterworks, Fire Chief</i> (City funds, Fire Department funds, BRIC as applicable) MEDIUM PRIORITY |
| Improve existing facilities & infrastructure | Hinton | 2020: Lining sewer and manholes in flood plane to eliminate infiltration from flooding and water table; <i>City Maintenance & Waterworks departments, IDNR</i> (IDNR program funds, City funds, PDM) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Hinton | Partial Completed . Manholes were lined in 2021. Project cost not provided. |
| Improve existing facilities & infrastructure | Hinton | Carry over . Sewer linings in floodplain to eliminate infiltration from flooding and water table. Project priority remains. <i>City Maintenance & Waterworks departments, IDNR</i> (IDNR program funds, City funds, Disaster Mitigation or Response/FMA as applicable) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Hinton | 2020: Repair golf course crossings damaged and washed away during high flow events. <i>City Parks Dept, City Maintenance</i> (City funds, Active Transportation funds, Healthy Community/Recreation funds, PDM) LOW PRIORITY |
| Improve existing facilities & infrastructure | Hinton | Complete . Project was implemented in 2020. Project cost not provided. |
| Improve existing facilities & infrastructure | Ida County | 2020: Waterlines are not looped at MidWest Industries, reducing the available water pressure at fire hydrants. <i>County engineer, Midwest Indus business manager, EMA</i> (County funds, private funds, Response support funds, PDM) MEDIUM PRIORITY |
| Improve existing facilities & infrastructure | Ida County | Update . Jurisdictional oversight of need has been relegated to the City of Ida Grove. Related work is included for consideration under their new projects. While improvements specific to this site are still necessary, Project is closed at County level. |
| Improve existing facilities & infrastructure | Ida County | 2020: Not all outlying shops are insulated. New project needed to add heat and insulation. Access and issues accelerating due to ice accumulation. <i>County Department of Secondary Roads</i> (County funds, Transportation facilities program funds, Building remediation funds) LOW PRIORITY |
| Improve existing facilities & infrastructure | Ida County | Update . Insulation and heating improvements still needed at Battle Creek shop, affecting access hindered by ice accumulation. Should funding become available, facility replacement is needed in Holstein. <i>County Department of Secondary Roads</i> (County funds, Transportation facilities program funds, Building remediation funds) LOW PRIORITY |
| Improve existing facilities & infrastructure | Ida Grove | 2020: Casements along 7th St (Badger Creek); <i>City Roads Dept, collaborate with County Engineer</i> (City funds, IDOT Program funds, PDM) HIGH PRIORITY |

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| Improve existing facilities & infrastructure | Ida Grove | <p>Update: Still needed. Action not taken due to lack of dedicated funding. Continues to be a very big issue. Cost estimates around \$200,000 for mitigation.</p> <p>Carry over. Casements along 7th St (Badger Creek); <i>City Roads Dept, collaborate with County Engineer</i> (City funds, IDOT Program funds, PDM) HIGH PRIORITY</p> |
| Improve existing facilities & infrastructure | Ida Grove | <p>New. Water/Sewer Treatment Facility upgrades are in progress. System is undergoing modification from mechanical treatment to an anaerobic process. Early estimate is \$11M; set for bid early 2-25. <i>City utilities. Public Works.</i> (Local budget, Water utility fees, USDA/IDNR as may be applicable) HIGH PRIORITY</p> |
| Improve existing facilities & infrastructure | Ida Grove | <p>New. Hydrant replacements are planned citywide addressing approximately 25% of the city's hydrants, primarily located on the central and north sides of town.</p> |
| Improve existing facilities & infrastructure | Ida Grove | <p>NOTE: This project was miscategorized under "Bridges & Roads" in the 2020 Plan. It has been moved to "Improve existing facilities & infrastructure."</p> <p>2020: Full renovation of City Hall & attached community center/senior center, starting with roof. City project Manager, Council (Community Catalyst Building Remediation funds, Private funds, City funds, Connections Area Agency on Aging, AARP Healthy Communities funds) MEDIUM PRIORITY</p> |
| Improve existing facilities & infrastructure | Ida Grove | <p>Complete. City Hall was completely reconstructed.</p> |
| Improve existing facilities & infrastructure | Le Mars | <p>2020: Pedestrian bridge connecting rec trail to golf course. In interest of maintaining natural open spaces, and recoup loss due to lack of development in those areas, the city has invested in a thriving outdoor recreation network. Intending to be interconnected, rec trails connect most facilities. At present, a pedestrian bridge that connects the rec trail to the golf course is in need of major renovation or replacement. A temporary bridge is in place but it is not a long-term solution. The city is determining the best solution for the trail bridge, therefore costs are not yet determined. <i>City Administrator, Streets, Parks Depts</i> (City funds, Active Transportation funds, Health & Wellness program funds, Transportation Alternatives Program funds, Community Benefit funds) HIGH PRIORITY</p> |
| Improve existing facilities & infrastructure | Le Mars | <p>Update: In Progress. Funding for this project are in place with work planned for 2025/2026. City streets and parks departments are involved in oversight. TAP funds with local match from City budget will cover project.</p> |

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| | Le Mars | New: Install new water main valves to improve flow control and access for maintenance. <i>Public Works</i> . (Local funds) HIGH PRIORITY. |
| Improve existing facilities & infrastructure | Le Mars | New. Several waterworks projects are planned including a new reverse osmosis system, well, waterlines between wells. <i>City utilities</i> . (Local funds, utility rates) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Le Mars | New. City is planning new waste water treatment facility. <i>City utilities, public works</i> . (Local funds, state/federal program supports as may be available) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Le Mars | New. New Fire Station facility slated for 2026, with a ballot measure to be brought in 2025. Project includes new buildings and storage shed. <i>Fire Department</i> . (Local funds, EOC funds). HIGH PRIORITY |
| Improve existing facilities & infrastructure | Mapleton | 2020: New motor needed to maintain operation of one of the municipal wells (Willow Vale unit) <i>City Water Dept., IDNR</i> (City funds, IDNR Clean Water/Drinking Water program funds) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Mapleton | Complete. \$30,000 project has been completed. |
| Improve existing facilities & infrastructure | Mapleton | 2020: Rebuild needed for lift station @ 8th & Ring; <i>City Water & Public Works Depts</i> (City funds, IDNR, PDM) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Mapleton | Complete. Estimated project cost of \$50,000 – project has been completed. |
| Improve existing facilities & infrastructure | Mapleton | New. City is planning installation of Well House with motor at Golf Course. Budgeted for fall 2025 at an estimated cost of \$51,000. <i>Public Works</i> (Local funds, community benefits grants, other as may become available) |
| Improve existing facilities & infrastructure | Onawa | New. Water Treatment Plant is planned. Estimated at \$17M, the new plant. <i>Public Works, USDA, IDNR</i> (Local funds, Bonds, Grants TBD) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Onawa | New. Updates to the Electrical Substation are in discussion Repair costs are currently at \$100,000 mark. Project would include assessment of options including but not limited to replacement and/or repair of various components. City council, <i>Public Works</i> (local funds, others to be determined pending project scope) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Pierson | New. Sewer lining project. City is lining sewers to improve existing infrastructure, and extend useful life. Approx cost is \$200,000 – planned for 2026. <i>Public Works, DNR</i> . (Local funds) HIGH PRIORITY |

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| Improve existing facilities & infrastructure | Quimby | 2020: Wastewater infrastructure improvements needed to address increased waterflow through and near river, which has accelerated deterioration of stabilization. Redirection of wastewater lines necessary. <i>City Council, DNR as applicable, County departments as applicable.</i> (Local funds, approved loan and bond programs, CDBG) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Quimby | Complete. Pipeline crossing river was relocated and reconstructed to pass over an area that runs straighter, reducing wear, length of exposed lines, and risk of contamination. Project included relocation of lift station to the east. Project funded in part by CDBG (\$300K) and FEMA (\$350K). |
| Improve existing facilities & infrastructure | Quimby | New. Address abandoned, vacant, and dilapidated buildings through: incentivized development, rehabilitation, and acquisition programs. Dilapidated structures are themselves at risk in extreme weather conditions, pose threat of fire, and are a general risk to public health. City is looking for programs to implement as well as funds to implement some measures as applicable (including but not limited to acquisition). City Council. (various funding sources depending on programs – IEDA, PDM as applicable, local funds, private partnerships, IDNR Dilapidated Buildings prog) HIGH PRIORITY. |
| Improve existing facilities & infrastructure | Quimby | <p>New. City is in the process of determining options to improve function of, expand, and update lagoon, sewer/wastewater system, lines and related to meet IDNR compliance standards.</p> <p>Needs include but are not limited to</p> <ol style="list-style-type: none"> 1. expanded capacity with potential of adding a cell pending feasibility. 2. Berm construction or raising of lift station to protect from flood infiltration, and 3. Pre-engineering to fully assess options are part of project. <p><i>City, Public Works, IDNR</i> (CDBG, USDA as applicable, local funds, PDM as available, other sources TBD) HIGH PRIORITY</p> |
| Improve existing facilities & infrastructure | SB-L CSD | <p>New. Improvements to roof and HVAC. Roof repairs need more permanent fix. HVAC work necessary to maintain function of facility during extreme temperatures – both hot and cold. Project is tiered. Maintenance work will be funded by district. Priority is determined due to cost, not level of need.</p> <p>Replacement for long-term resiliency as preferred would require collaborative efforts. District Maintenance, City/County officials, County EMA (district funds, PDM funds as applicable) LOW PRIORITY</p> |

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| Improve existing facilities & infrastructure | Sioux City (amended & adopted 01/13/25) | 2025: Bacon Creek Conduit. Estimated \$35M project - Reconstruction and relocation beginning at Rustin Street continuing to the outlet west of Lewis Boulevard. The project addresses the deteriorated condition of the existing conduit underneath Gordon Drive and the risk of structural failure, posing a risk to the traveling public on Gordon Drive. The conduit will be relocated from underneath Gordon Drive off-alignment and the capacity will be expanded to withstand a 100-year flooding event. The project improves resiliency of the utility, transportation infrastructure, and the region. <i>City of Sioux City, IA DOT.</i> (City of Sioux City Engineering Dept, CIP FY 2028) HIGH PRIORITY. |
| Improve existing facilities & infrastructure | Sioux City (amended & adopted 01/13/25) | 2025: Bacon Creek Channel Reconstruction. Estimated \$18M project is a collaborative effort to stabilize the channel built in 1930. Flooding events have resulted in Missouri River backing up channel, causing entry to the combined sanitary sewer system. Backwater infiltration has caused significant damage to Wastewater Treatment Plant. Project addresses the compromised combined sanitary system and includes repurposing the existing site to coordinate with economic development and urban use vision planning. <i>City of Sioux City, IA DOT.</i> (City of Sioux City Engineering Dept., CIP FY2028) HIGH PRIORITY. |
| Improve existing facilities & infrastructure | Sioux City | New: Wastewater Plant Improvement Project. In conjunction with other flood-affected area projects, the City is planning significant improvements to its wastewater treatment plant. Estimated at \$300M, the project will address system capacity updates, flood infiltration protections, and improved function overall. <i>City Utilities Department.</i> (BRIC, Local matching funds) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Sioux City | New. Improve outflow systems at Wastewater Plant. Estimated at \$1.5M. Protects river, local bodies of water. <i>Sioux City Utilities Dept. and related regulatory bodies – IDNR, etc.</i> (Local funds, BRIC) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Sioux City | New. Reconstruction of well planned, including addition of flood barrier. Project cost not provided. <i>Public Works, Water Dept.</i> (Local funds, Federal/state funds as may be applicable) HIGH PRIORITY. |
| Improve existing facilities & infrastructure | Sloan | New. Sloan is preparing for a water infrastructure improvement project including wastewater treatment and a new water tower. The project will include generators and/or generator transfer switches where applicable and practical. Project is expected to exceed \$3M. <i>Public Works, contracted engineer.</i> (Local funds, loans, others as may become available.) HIGH PRIORITY |

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| Improve existing facilities & infrastructure | Soldier | 2020: Improve waterworks-related infrastructure to better sustain extreme weather conditions and extremes in temperatures resulting in damages from frost and heave activity. Specific attention to water tower and waterlines throughout City. <i>City Council, City maintenance/waterworks.</i> (Local funds, CDBG funds, approved loan opportunities) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Soldier | In progress. The city has completed phase I of its \$3.2M water tower replacement project, with expectation of going live fall 2025. |
| Improve existing facilities & infrastructure | Soldier | New. The city is seeking upgrade opportunities for its lagoon system and related lines. Established in the 1970s, it has been 32 years since the last discharge. They've undergone a preliminary engineering report and televised lines. 3-cell lagoon but only one has been used. Looking at using all 3 for treatment / discharge. <i>Public works, DNR</i> (CDBG, USDA RD, local funds) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Soldier | New. Updated meters for the city's waterworks are warranted as means of improving monitoring and determining leakage or other flow problems, maintenance needs. Cost estimated at \$1.5M. <i>Public works, IDNR as may be applicable</i> (local funds, go bonds, CDBG, USDA as available) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Soldier | New. City is planning to put in a new pump house. <i>Public works</i> (USDA, IDNR as applicable, local funds) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Ute | 2020: Waterworks and water tower project including generator backup system. <i>City Clerk, Project administrator, Engineering consultant</i> (City funds, Loans, CDBG) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Ute | Complete. Water tower replaced – higher capacity, updated system (December 2024). Project cost exceeded \$3M. Segment of water mains replaced, and generator added. Funded through USDA RD , CDBG, local funds, GO Bonds. |
| Improve existing facilities & infrastructure | Ute | New. City is planning new well. <i>Public works, USDA, contracted services</i> (local funds, USDA RD) HIGH PRIORITY |
| Improve existing facilities & infrastructure | Westfield | New. City is in process of completing a new water treatment facility. Project is incorporating flood protections and continuity of operations features (generator/generator hook up). <i>Public Works, contracted project manager/administrator</i> (CDBG, Local funds) HIGH PRIORITY |
| Relocate critical facilities | Battle Creek | 2020: Complications from 2019 flooding resulted in need for elevation of the city's sewer lift station. <i>City Council, City maintenance/waterworks, collaboration with County EMA &</i> |

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| | | <i>Engineer as applicable.</i> (Local funds, PDM, Bonds/Loans through approved programs) HIGH PRIORITY |
| Relocate critical facilities | Battle Creek | Update. Project was not implemented but is still needed. No estimated timeline for completion as this is highly reliant on available funding sources. Project will carry into 2025 HMP. |
| Relocate critical facilities | Battle Creek | Carry over. Past flood issues resulted in need for elevation of the city's sewer lift station. As flooding events become more frequent and more extreme, project becomes more dire. <i>City Council, City maintenance/waterworks, collaboration with County EMA & Engineer as applicable.</i> (Local funds, PDM, Bonds/Loans through approved programs) HIGH PRIORITY |
| Relocate critical facilities | Cherokee Co | New. Relocation of Conservation Department necessitated by floodplain expansion. Current office now in compromised area. Facility needs office space as well as storage. There is potential to collaborate with Secondary Roads to share storage space. Estimates range from \$.5M - \$.75M. Ideally, new location will be in one of the parks, River Oaks Conservation Area is being considered. County Board, Conservation Dept, Secondary Roads, IDNR, State Conservation (County and state funds as available, PDM/FMA as appropriate, other TBD) HIGH PRIORITY |
| Relocate critical facilities | Cherokee | 2020: Move/raise lift station at Beech St; <i>City Water & Public Works Depts</i> (City funds, IDNR, PDM) HIGH PRIORITY |
| Relocate critical facilities | Cherokee | Update: Carry Over. Cherokee is expanding project scope to include several infrastructure improvements. In addition to Beech Street, lift stations at E Sumner< Riverview, Emmet Dr (MHI), E Bluff, and Spruces need rising and/or repairs. Cost estimates not immediately available. <i>City Water & Public Works Depts</i> (City funds, IDNR, Disaster Response/Disaster Mitigation funds as may be available) HIGH PRIORITY |
| Relocate critical facilities | Ida Grove | 2020: Lift station needs raising -- Hillcrest (Off 5th St); <i>City Water & Public Works Depts</i> (City funds, IDNR, PDM) HIGH PRIORITY |
| Relocate critical facilities | Ida Grove | Update. Carry Over. Lift replacement still needed at Hillcrest Lift Station. Cost estimate not immediately available. <i>Public Works.</i> (Local budget, Water utility fees, USDA/IDNR as may be applicable) HIGH PRIORITY |
| Relocate critical facilities | Quimby | 2020: Relocation or elevation needed for Lift Station to address flooding impacts. <i>City Council, City maintenance/waterworks, Coordination with County EMA as applicable.</i> (Local funds, DNR program funds, PDM funds, approved bond and loan programs) HIGH PRIORITY |
| Relocate critical facilities | Quimby | Complete. Lift station moved east as part of line improvements as noted under <i>Improve existing facilities & infrastructure</i> category of projects. |

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| Relocate critical facilities | Sgt Bluff | 2020: Interest in relocating 2nd Fire Station for improved response to more areas; <i>City Admin, Fire Chief, Zone Administrator</i> (City Funds, Fire Dept Funds, Fire Assoc funds, fundraisers, Response Support funds) LOW PRIORITY |
| Relocate critical facilities | Sgt Bluff | Update. Project not completed. Carry over to 2025 HMP. Carry over. Interest in relocating 2nd Fire Station for improved response to more areas; <i>City Admin, Fire Chief, Zone Administrator</i> (City Funds, Fire Dept Funds, Fire Assoc funds, fundraisers, Response Support funds) LOW PRIORITY |
| Relocate critical facilities | Sioux City | New. Sioux City is looking at relocation of Riverside lift station outside of potential flood area. Due to existing structure's age, replacement may be warranted. Still in preliminary planning stages with expected cost not immediately available. <i>Public Works, Waterworks.</i> (local funds, may be eligible for disaster/disaster mitigation funds, TBD) HIGH PRIORITY |

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| Bridges & Roads | Cherokee | 2020: Collaborate w/County and State on review of and implementation of roadway elevation improvements along Hwy 3 and/or Hwy 59; <i>City Administrator & Streets Dept, County Roads Dept, IDOT</i> (Transportation funds, City/county funds) MEDIUM PRIORITY |
| Bridges & Roads | Cherokee | Update. Several road/bridge projects are planned with 3 in progress and others pending. Bridges pending work: Railroad Creek Bridge and E Cherry St Bridge. Needed but not yet planned: Maple Street Bridge Work on Bypass scheduled with preparation in progress. Projects as listed are carried over to 2025 HMP with HIGH PRIORITY. |
| Bridges & Roads | Danbury | 2020: Road repairs from runoff damages. Interest in preventive measures by way of redirection and retention methods. <i>City Maintenance/Council, County Engineer collaboration</i> (City funds, Transportation funds) HIGH PRIORITY |
| Bridges & Roads | Danbury | Complete. Road repairs necessitated by runoff from flood events have been completed and were covered by FEMA funds. |
| Bridges & Roads | Hinton | 2020: Resurface alleys due to washout during rain events. <i>City Streets Dept</i> (City funds, PDM) HIGH PRIORITY |

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| Bridges & Roads | Hinton | Update: Carry over. Some resurfacing has been completed with other still pending. Oversight is the responsibility of the <i>Streets Department</i> . Project is funded under the local budget and is carried over to the 2025 HMP, reduced to LOW PRIORITY. |
| Bridges & Roads | Ida County | 2020: At Ida Grove: Potential for work to add shoulder along Old Hwy 59 and M15, also trap area attention. Work is needed along Jasper Ave; County Engineer, Collaborate w/City Admin (County funds, Transportation funds, PDM) LOW PRIORITY |
| Bridges & Roads | Ida County | Complete. Shoulders as provided have been rebuilt. Project cost ranged from \$8-9M. |
| Bridges & Roads | Ida County | 2020: At Ida Grove: When flooded, no access to city wells along Keystone Ave. Mapping of well needed north of 387th St, off M15. County has access road to maintenance sheds. Improvements needed. <i>County Engineer, Collaboration with City Streets Dept.</i> (County funds, City support, transportation funds, PDM) MEDIUM PRIORITY |
| Bridges & Roads | Ida County | Update: Carry over. <ul style="list-style-type: none"> • Collaborative project needed to develop west access point to City of Ida Grove to improve access to Keystone Ave wells. • Necessity of mapping of 387th is under consideration but is carried over to 2025 plan. • County shop south of town is needing access improvements – surface repairs. Grading/straightening is planned along 235th Street. Funding sources and responsibility remain as provided - <i>County Engineer, Collaboration with City Streets Dept.</i> (County funds, City support, transportation funds, FMA/Mitigation funds where applicable) MEDIUM PRIORITY |
| Bridges & Roads | Ida County | New. The County is looking to improve access to schools, particularly for young drivers. The following corridors are highly traveled gravel roads being programmed for paving. German Rd (one mile section to Hwy 20) and westward access roads including Lamp, Kastner, and Mueller. (County funds, City collaboration where applicable, road use funds) |
| Bridges & Roads | Ida Grove | 2020: Potential paving project on 6th St to improve drainage; City Streets Dept (City funds, Transportation funds, PDM) LOW PRIORITY |
| Bridges & Roads | Ida Grove | Update: Carry over. Project still needed. Cost estimated at \$1.4M includes drainage along with noted street repair needs. <i>City Streets Dept</i> (City funds, Transportation funds, FMA/Disaster mitigation Disaster response funding as available) LOW PRIORITY |
| Bridges & Roads | Ida Grove | New: Funding has been awarded to fix Main Street bridge at \$1.5M, including major repairs. <i>Streets Dept.</i> (City budget, Transportation funds) HIGH PRIORITY |

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| Bridges & Roads | Ida Grove | New: Funding for Washington Street bridge is pending and anticipated within the next few years. <i>Streets Department, IA DOT</i> (City budget, Transportation funds, IA DOT) HIGH PRIORITY |
| Bridges & Roads | Ida Grove | New. City has 6 bridges requiring significant maintenance ² are shown as New Projects in the 2025 HMP. Four bridges remain as needed projects, with lower priority due to lack of known funding opportunities. <i>City Streets Dept.</i> (City funds, Transportation funds, Disaster Response/Disaster Mitigation funds as available) LOW PRIORITY |
| Bridges & Roads | Ida Grove | New. Resurfacing needed on 2 nd St & 6 th St. Estimated cost based on recently completed similar project is \$300K each. <i>City Streets Dept.</i> (Local road use funds, local funds) HIGH PRIORITY |
| Bridges & Roads | Ida Grove | New. Many road repair projects throughout town are needed due to deterioration/crumbling. Damage is significant, however lack of funding may delay implementation. <i>City Streets Dept.</i> (Local funds, Disaster mitigation as may be applicable, others TBD) MEDIUM PRIORITY |
| Bridges & Roads | Ida Grove | Completed. E. 2 nd St resurfacing. \$300K investment. <i>City Streets Dept.</i> (Local funds). |
| Bridges & Roads | Le Mars | New. Action needed to improve conditions where Willow Creek meets the Floyd River. Increase in occurrence of flood events has highlighted lack of capacity of small railroad bridge crossing that area to handle such a large volume of water. If bridge is washed out, a significant impact would be felt regionally and potentially at the national level pending severity of damage. <i>City administrator, County departments as applicable, railroad, DOT, contracted consultant as applicable.</i> (local funds, BRIC/FMA, railroad programming, IDOT) HIGH PRIORITY |
| Bridges & Roads | Meriden | 2020: Street repaving project to address washout and weather-related deterioration. <i>City maintenance, City Council.</i> (Local funds) MEDIUM PRIORITY |
| Bridges & Roads | Meriden | Closed. Project not completed. Some work completed to maintain function. Work will be implemented incrementally without anticipation of PDM funding supports. |
| Bridges & Roads | Monona County | 2020: Bridge and tube projects needed throughout the county; improve drainage patterns, reduce rate of deterioration on bridge components/foundation; <i>County Roads Dept.</i> (County funds, Transportation funds, PDM) HIGH PRIORITY |
| Bridges & Roads | Monona County | Update not provided. Several road and bridge projects were implemented with several more pending. Unless a specific drainage or access barrier is specified, such projects are not included in the mitigation plan. |

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| Bridges & Roads | Onawa | 2020: Resurfacing projects that will address drainage issues and minimize the effects of inclement weather-caused deterioration. <i>City Streets Dept, collaborate with County Roads</i> (City funds, Community Benefit funds, Transportation funds) HIGH PRIORITY |
| Bridges & Roads | Onawa | Update. No resurfacing projects have been completed. Patchwork is implemented as needed. Current projects anticipated at \$50,000 are set to begin in 2025. Full resurfacing is still needed and carries into the 2025 HMP. |
| Bridges & Roads | Onawa | Carry over. Resurfacing projects that will address drainage issues and minimize the effects of inclement weather-caused deterioration. <i>City Streets Dept, collaborate with County Roads</i> (City funds, Community Benefit funds, Transportation funds, Disaster funds as may apply, PDM as applicable) HIGH PRIORITY |
| Bridges & Roads | Plymouth County | 2020: Roadway access/elevation projects identified @ Floyd River Basin and Deep Creek Basin areas. While floodmap revisions continue, the County does not anticipate significant changes in unincorporated areas. <i>IDNR, County Conservation, County Engineer</i> (Clean Water Conservation program funds, County funds, IDNR funds, Transportation funds) LOW PRIORITY |
| Bridges & Roads | Plymouth County | Update was not provided. Project removed from Priority List. |
| Bridges & Roads | Remsen (as amended at local level 8/10/2020) | Amendment: Box culvert replacement in flood prone area (5 th St between Jackson and Marion Streets). <i>City of Remsen, Beck Engineering contracted services, City Clerk, Public Works.</i> (anticipated funding: FMA/BRIC, local match via Road Use funds, and local option funds) HIGH PRIORITY Complete. Flood mitigation project was completed with addition of box culvert and redirection of runoff. Project cost was \$475,000 - paid using entirely local funds. |
| Bridges & Roads | Rodney | Moved to Drainage Projects section under "Flow Control". 2020: Interest in roadway drainage improvements; <i>City Council</i> (City funds, transportation funds, Community Benefit funds) LOW PRIORITY |
| Bridges & Roads | Soldier | 2020: Road construction improvements needed to address buckling and weather-related deterioration. Specifically needed on road serving access to Ute. Additional throughout City. <i>City Council, Streets department, collaboration with County Roads dept & City of Ute as applicable.</i> (Local funds, transportation funds, approved bonding and local programs) HIGH PRIORITY |
| Bridges & Roads | Soldier | In progress and ongoing. Phase I of the project has been completed. Scheduled improvements will continue through Spring and Fall on a rotating basis through 2030. Process will start over with overlay. At this time, this project will be |

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| | | removed from the priority list with mitigative actions met. The city may amend project back in if underwashing and runoff become prohibitive to routine maintenance, requiring more developed remediation. |
| Bridges & Roads | Whiting | 2020: West St Bridge - pending evaluation and cost estimate; <i>City Council, Collaborate with County Engineer</i> (City funds, transportation funds, Community Benefit funds) HIGH PRIORITY |
| Bridges & Roads | Whiting | Complete. West St bridge and K45 bridge both redone in 2020. Project cost @ \$98,000. Loan balance remaining is \$45,000. K45 still needs new guard rails – pending (entered as new project). |
| Bridges & Roads | Whiting | New. K45 bridge needs new guardrails following improvements completed in 2020. Streets dept, County roads. (local road use funds, other road funding as may be available) HIGH PRIORITY |
| Bridges & Roads | Whiting | 2020: Elevate portion of roadway to correct dip in the road at Bertram intersection; City Council (City funds, transportation funds, Community Benefit funds) MEDIUM PRIORITY |
| Bridges & Roads | Whiting | Complete. Roadway elevation completed summer 2023. |
| Bridges & Roads | Woodbury Co | 2020: Secondary Roads - about 30 bridge replacements necessary -- some immediate, <i>County Engineer, Contracted services</i> (County funds, IDOT Transportation funds) HIGH PRIORITY |
| Bridges & Roads | Woodbury Co | Specifics regarding completed and pending bridge projects were not provided, though the county continues to address its bridge repair backlog annually. Unless incorporated into a specific event-related recovery or prevention effort and amended, this item will not carry over to the 2025 HMP. |
| Bridges & Roads | Woodbury Co | 2020: Secondary Roads - about 50 bridge needing rip rap, scour, overlay or other maintenance; <i>County Engineer, Contracted services</i> (County funds, IDOT Transportation funds) HIGH PRIORITY |
| Bridges & Roads | Woodbury Co | Specifics regarding completed and pending rip rap restoration/fortification projects were not provided. Replacement of rip rap is an annual maintenance item, with additional attention given post extreme weather event (flood, heavy rain, heavy snow, other incurred displacement). Unless incorporated into a specific event-related recovery or prevention effort and amended, this item will not carry over to the 2025 HMP. |

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| Bridges & Roads | Woodbury Co | 2020: Further incorporate mindful planning to accommodate overflow at some road points such as Old Hwy 141 and D38; <i>County Engineer, Contracted services</i> (County funds, IDOT Transportation funds) HIGH PRIORITY |
| Bridges & Roads | Woodbury Co | Update was not provided at the county's mitigation planning meeting. |

| flow control | | |
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| <ul style="list-style-type: none"> Assess repair/replace/redesign roadways to improve function during natural hazard events. Consideration to be given to elevation, implement/improve water flow controls such as culverts, ditches and gutter systems. Improve drainage patterns in flood-prone areas by implementing features that improve flow and/or absorption and reduce runoff. | | |
| <i>Goals Addressed</i> | <i>Hazards</i> | - Flood |
| 1, 3, 4 | | |
| Flood protection | Cherokee | 2020: Berm preventing runoff and Little Sioux Floodwaters from entering Spring Lake; <i>City Administrator, Parks Dept, IDNR</i> (City funds, IDNR Clean Water programs/Runoff control) HIGH PRIORITY |
| Flood protection | Cherokee | Completed. Project complete with construction of flood wall in 2021. Project cost & funding source not provided. However, 35' crest from 2024 flooding has presented additional concern for potential road washout. The city is interested in conducting a study to review options including but not limited to extending the wall. That is included as a new project in the 2025 HMP. |
| Flood protection | Cherokee | New. Study to determine flood protection options including but not limited to extending existing flood barrier wall. <i>City Administrator, Parks Dept, IDNR</i> (City funds, IDNR Clean Water programs/Runoff control, Disaster mitigation funds as may be available) HIGH PRIORITY |
| Flood protection | Hinton | 2020: Floodgates @ dike; <i>City Council, IDNR</i> (City funds, PDM) HIGH PRIORITY |
| Flood protection | Hinton | Complete. Floodgate project completed 2021-2022. Cost & fund sources not provided. |
| Flood protection | Hornick | 2020: Berm/raised rec trail to protect city from Ditch flooding; <i>City Council, County EMA, engineering consultant</i> (PDM and FEMA Disaster funds) HIGH PRIORITY |

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| Flood protection | Hornick | <p>Update – Phase 1, the mitigation portion of the project is complete. Berm has been substantially raised with primary phase of project completed 12/2024. Funded with IA Flood Mitigation dollars, the \$2.1M project included the development of a local Flood Mitigation Board.</p> <p>Phase 2 of the project, the trail, is not complete. The trail remains on the city’s project list but will not be carried into the 2025 HMP as a mitigation action.</p> |
| Flood protection | Ida Grove | <p>New. The Army Corps of Engineers is completing a Slip Lining Levee project in Ida Grove on the Moorhead Park side of the levee. Implementation date, cost, and funding sources not provided. <i>US ACE (ARPA) HIGH PRIORITY</i></p> |
| Flood protection | Le Mars | <p>2020: Airport Flooding Protection - Implement protections to minimize erosion damage to runway & property overall. Floyd River w/in 50" of north end of runway. Measures to further improve previous bank stabilization efforts. Option: Reroute river; channelize. <i>City Administrator, Airport administration, IDNR</i> (Local funds, Economic Development funds, PDM) HIGH PRIORITY</p> |
| Flood protection | Le Mars | <p>Update: Carry over. Project was not implemented and will be carried over to the 2025 HMP. Further efforts are needed to stabilize riverbanks and creekbanks to control or direct flow from Floyd River and Willow Creek, especially when in high water stages, from both riverine and flash flood events. North and South ends of airport are increasingly at risk as high flow rate of water continues to reform the Floyd River. Bridges at 24th Street and the RR bridge at 4th Ave NE and the walking bridge at Hwy 3 are faced with structure failure risk increasing with each high water event, as placement in proximity to river is changing. Issue is becoming increasingly urgent. Cost estimate not readily available. <i>City Administrator, Airport administration, IDNR</i> (Local funds, Economic Development funds, PDM) HIGH PRIORITY</p> |
| Flood protection | Meriden | <p>2020: Interest in flood control implementation to protect lagoon at north end of town. Flooding risk with heavy rain and/or rapid snowmelt. <i>City Council, city staff/maintenance</i> (Local funds, capital improvement funds, betterment funds, DNR program funding). HIGH PRIORITY</p> |
| Flood protection | Meriden | <p>Update. No action taken. City stated due to lack of funding, no major projects were completed. Project removed form priority listing.</p> |
| Flood Protection | Moville | <p>New. Improvements to the existing berm at the North Lift Staton are needed as it has been compromised three times. <i>Public Works, Engineering supports as available</i> (local funds, Flood/Disaster mitigation funds as available, community foundation grants) HIGH PRIORITY</p> |

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| Flood protection | Sioux City | New. Flood Mitigation Ponding project for FY27 in Leeds area. Full scope to be determined – intent is to mitigate frequent occurrence of flash flood points by creating intentional water retention areas. Cost is estimated at \$4M. Public Works, contracted services/labor. Local funds, state mitigation funds as available. HIGH PRIORITY |
| Flood protection | Sioux City: | New. Levee Extension along Big Sioux River affecting Riverside neighborhood. The project estimated at \$2.5M is under review for implementation. Extreme historical flooding in 2024 resulted in flood protection actions as dictated in neighboring state jurisdiction. Outcome of that last-resort implementation exposed an otherwise protected area, with significant damage to or loss of approximately 70 homes. <i>Sioux City Public Works, related regulatory systems including but not limited to the Army Corp of Engineers.</i> (CIP requested, Local Funds, BRIC) HIGH PRIORITY |
| Flood Protection | Sioux City | New. Hesco sandbags needed to improve flood prevention. This \$40, 000 project may also be categorized as Equipment. <i>Public Works.</i> (Local funds, FMA funds, other response/emergency management funds as may be available) HIGH PRIORITY |
| Flood protection | Westfield | 2020: City assessing options to reinforce lagoon to protect from flooding. <i>City Council, City maintenance/waterworks, County EMA and DNR as applicable.</i> (Local funds, PDM, approved bond/loan programs as applicable) |
| Flood protection | Westfield | Update. This project did not advance to a more permanent solution due to expenses attributed to 2019 flood recovery and again in 2024. Substantial berm repairs were completed. However, they proved insufficient for unprecedented flooding as occurred in 2024. Lack of funding and available resources contributed to delay in permanent solution. Project is still needed and will carry over to the 2025 HMP. |
| Flood protection | Westfield | Carry over. City seeking options to substantially reinforce berm and/or other flood protections around lagoon. <i>City Council, City maintenance/waterworks, County EMA , FEMA, and DNR as applicable.</i> (Local funds, Disaster Recovery funds as applicable) HIGH PRIORITY |
| Drainage projects | All Counties | 2020: Implement measures to perform scheduled maintenance in ditches and drainways, accommodating additional pre- and post-storm action to minimize blockages; <i>County Secondary Roads Department & Conservation as applicable</i> (City funds, County funds, District funds) HIGH PRIORITY |

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| Drainage projects | All Cities | 2020: Implement measures to perform scheduled maintenance in ditches and drainways, accommodating additional pre- and post-storm action to minimize blockages; <i>City Maintenance, Collaborate with County Secondary Roads Department & Conservation as applicable and Plant Engineering for affected School properties</i> (City funds, County funds, District funds) HIGH PRIORITY |
| Drainage projects | All School Districts | 2020: Implement measures to perform scheduled maintenance in ditches and drainways, accommodating additional pre- and post-storm action to minimize blockages; <i>Plant Engineering for School properties, collaboration with City Maintenance, County Secondary Roads Department & Conservation as applicable</i> , (City funds, County funds, District funds) HIGH PRIORITY |
| Drainage projects | Correctionville | 2020: Implement drainage projects as identified; <i>City Administrator/Streets/Public Works</i> (Local funds, IDNR project funds, PDM) HIGH PRIORITY |
| Drainage projects | Correctionville | Update – Ongoing. Driftwood Street ditches completed, additional areas need attention. Project will be recurring with opportunity to instill better long term controls should such process be made known. |
| Drainage projects | Correctionville | Ongoing. Implement drainage projects as identified. Citywide culvert and ditch maintenance improvements including but not limited to bigger culverts, dredging ditches, add drainways where appropriate. <i>City Administrator/Streets/Public Works</i> (Local funds, IDNR project funds, PDM) HIGH PRIORITY |
| Drainage projects | Akron | New. City is assessing check valve on storm sewer pipe seeking a viable solution to reduce flooding incidents. Other considerations include diverting water and/or adding a pump station. Likely to include study and implementation. <i>Public Works, DNR, County Engineer, Contracted services.</i> (local funds, disaster/flood mitigation program funds as may be available) HIGH PRIORITY |
| Drainage projects | Akron-Westfield CSD | New. Culvert under highway directs water to school facilities in high water events, leaving district with excess water accumulation and no means of draining. District is interested in partnering with city and IA DOT as applicable to determine drainage and/or flow control solutions. Project may include study and/or implementation of solution as identified. Potential solution is plug for culvert that will sustain flow unless highway is overtaken by water. <i>District facilities staff, City of Akron, Plymouth Co Roads, and Plymouth Co EMA</i> (fund sources to be determined upon identifying feasible solution) HIGH PRIORITY |
| Drainage projects | Akron-Westfield CSD | New. Address bus barn flooding by waterproofing and implementing a process allowing the structure to serve as a “passthrough” to minimize effects of flooding. <i>District maintenance staff</i> (district funds, PDM as may be available) HIGH PRIORITY |

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| Drainage projects | Hinton | 2020: Stormwater management projects - drainage improvements; <i>City Administration, Contracted services, IDNR</i> (Local funds, IDNR program funds, Disaster funds, PDM) HIGH PRIORITY |
| Drainage projects | Hinton | Update: Annual road maintenance projects have included some drainage improvements. Carry over. Starview is in need of stormwater management improvements. With modified priority level, this project continues to the 2025 HMP. <i>City Administration, Contracted services, IDNR</i> (Local funds, IDNR program funds, Disaster Response/Mitigation funds) MEDIUM PRIORITY |
| Drainage projects | Holstein | 2020: Sidewalk trail at ball field and rec center with drainage project incorporated; <i>City Administration, Contracted services, County collaboration for trail projects</i> (Health & Wellness funds, Transportation Alternatives funds, Local funds, fundraisers, Walk/Bike program funds) LOW PRIORITY |
| Drainage projects | Holstein | Update. No work has been done to date. Project is still needed, but remains low priority due to lack of readily available funding supports. Carry over. Sidewalk trail at ball field and rec center with drainage project incorporated; <i>City Administration, Contracted services, County collaboration for trail projects</i> (Health & Wellness funds, Transportation Alternatives funds, Local funds, fundraisers, Walk/Bike program funds) LOW PRIORITY |
| Drainage projects | Ida Co | 2020: At Quimby drainage ditch dredging from Quimby and establishing routine/scheduled maintenance; <i>County Engineer, Collaborate with City staff, IDNR</i> (County Roads funds, local funds) HIGH PRIORITY |
| Drainage projects | Ida Co | Update: Dredging has been completed for some areas, however major maintenance is still needed. Carry over. Areas of particular need of drainage ditch dredging include 7 th Street at Rowher, Jasper, and M15. Old Hwy 59 still needs attention. Project carries over to 2025 HMP with same priority. <i>County Engineer, Collaborate with City staff, IDNR</i> (County Roads funds, local funds) HIGH PRIORITY |
| Drainage projects | Ida Grove, OABCIG | 2020: Drainage improvements are needed between the high school and Badger Creek; <i>City Administrator, School Board or Plant Engineering, IDNR</i> (Local funds, School District funds, IDNR program funds) HIGH PRIORITY |
| Drainage projects | Ida Grove | 2020: There is interest in improving drainage at Cobb Park - raise elevation, pump to drain; <i>City Administrator, IDNR</i> (Local funds, IDNR program funds, PDM) LOW PRIORITY |

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| Drainage projects | Ida Grove | Complete. Addressing some of the needs expressed in the 2 projects indicated above, the City has implemented a \$200,000 drainage project, installing a 36" tube along 7 th Street. |
| Drainage projects | Ida Grove | New. Storm sewers and culverts citywide need of dredging with Moorhead Ave and US 175 being highest priority. Cost estimate not immediately available. City Streets Dept (Local funds, disaster mitigation funds as available, other funds TBD) HIGH PRIORITY |
| Drainage projects | Kingsley | 2020: Terracing needed to ease floodplain restrictions. <i>City Administration, County Engineer collaboration, IDNR, Contracted services</i> (Local funds, County funds, IDNR Program funds, USDA program funds/loan program, Disaster funds, PDM) LOW PRIORITY |
| Drainage projects | Kingsley | Project closed. Updated floodplain resources decreased significance of potential impacts to indicated areas, thereby removing restrictions. City will continue to consider opportunities for terracing when implementing projects, however, this item has been removed from the priority list. |
| Drainage projects | Mapleton | 2020: Wetlands designation within city limit; <i>project led by Mapleton Community Development Corps in collaboration with the Department of Agriculture and the DNR</i> (Limited expense anticipated) HIGH PRIORITY |
| Drainage projects | Mapleton | Project Closed. Project will not be implemented as cost of maintenance if enacted is not feasible. |
| Drainage projects | Merrill | 2020: Improve ditch and drainway management. Conduct through clearing and implement maintenance plan. <i>City Council, City staff</i> (Local funds) HIGH PRIORITY |
| Drainage projects | Merrill | Update. Issues addressed at north end of town including routine maintenance. Problems still present with particular concern over riverine flooding. Additional attention is needed to determine prevention options. Ditch maintenance is ongoing and will continue. New project added for 2025 for other options to be determined. |
| Drainage projects/ Study-Assessment | Merrill | New. River flooding hits north side of town and around highway. Additional attention is needed to determine prevention options. Interested in feasibility study and implementation of related solutions. Funding is a barrier. <i>City Council, City staff</i> (Local funds, PDM, FMA) HIGH PRIORITY |
| Drainage Projects | Moorhead | AMENDMENT. 8/2023 – City is seeking to better address stormwater runoff. Sinkholes have been appearing throughout town. A study is needed to confirm cause and viable options for correction and mitigation. Council approved the amendment to |

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| | | include a scoping project and implementation plan, and re-adopted the Regional Hazard Mitigation Plan as amended. |
| Drainage Projects | Moorhead | Update: Carry over.. City is seeking options to improve stormwater drainage. Latent effects of 2019 floods resulted in underwashing of the city's sidewalks and streets, the presumed cause of sinkholes throughout town. The city did pursue a scoping grant through FEMA BRIC but was not awarded. A study to confirm/determine cause and development of an implementation plan is still needed. <i>Public Works</i> (Disaster Mitigation Funds as available Local Funds) HIGH PRIORITY |
| Drainage Projects | Pierson | New. The city has made some drainage improvements in recent years, but more work is needed along Front Street. <i>Public Works</i> (local funds, other infrastructure funds as may be available) HIGH PRIORITY |
| Drainage Projects | Plymouth Co | New & Ongoing. Drainage ditch improvements are needed throughout the county. Maintenance is performed as needed with monitoring in effect for Akron, Westfield, and Hinton as areas frequently affected by flash flooding. Monitoring includes assessing opportunities for long term improvements that may supplement drainage ditch network. Secondary Roads (County budget, IDNR as may be applicable, Disaster response as may be needed) HIGH PRIORITY |
| Drainage Projects | Remsen | New. Storm drains are needed at each end of Beck Park. <i>City Council, public Works, Parks & Rec, DNR as applicable</i> (local funds, DNR as available, PDM/Flood prevention as available) HIGH PRIORITY |
| Drainage Projects | Rodney | Pulled from "Bridges & Roads" category. 2020: Interest in roadway drainage improvements; <i>City Council</i> (City funds, transportation funds, Community Benefit funds) LOW PRIORITY |
| Drainage Projects | Rodney | Update: Some work has been done on 1st, 2nd, 3rd, and Main Streets. Carry over. Remaining streets throughout town still need work to improve drainage and drainage paths. Project is carried to 2025 HMP. <i>City Council</i> (City funds, transportation funds, Community Benefit funds) LOW PRIORITY |
| Drainage Projects | Salix (As amended 01/12/2022) | 2022. Recent changes in permissible stormwater drainage methods have increased flood risk in Salix during periods of heavy rainfall and/or rapid snow/ice melt. Phase I: The City plans to pursue technical assistance including but not limited to a study or preliminary engineering to assess probable solutions. |

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| | | <p>Phase II: Implement stormwater drainage system to resolve issues created by cancelation of agreement to direct stormwater into nearby Drainage District.</p> <p>Public Works, County Board of Supervisors, IDNR, USDA, other regulatory bodies as applicable (FEMA BRIC/FMA, local funds) HIGH PRIORITY</p> |
| Drainage Projects | Salix | <p>Update – Phase I: Complete. City worked with Farmer’s Drainage District and Woodbury County, assisted with contracted engineering firm, to conduct study and form a new drainage district – Approved 12/10/2024. Phase II will now be implemented under status as a drainage district, enabling a more expeditious and streamlined process.</p> |
| Drainage Projects | Salix | <p>Carry over. Phase II - The project identified through the study included the construction of a flow channel connecting the Salix Drainage District to the Farmers Drainage District, including a retention pond and other flow diversions. Project is awaiting finalization of cost-benefit analysis as interim conditions put Salix at heightened risk for street flood potential, storm drain backup, and home infiltration. <i>Salix Drainage District</i> (Drainage district funds, others to be determined pending necessitated corrections) HIGH PRIORITY</p> |
| Drainage projects | Sioux City | <p>New. Southbridge development will affect function of existing drainage ditch, which protects water treatment plant. A 46M project is planned and funded to ensure sufficient function FY26-28. <i>City Utilities</i> (CIP) HIGH PRIORITY</p> |
| Drainage projects | Sioux City | <p>New, in progress. City is planning stormwater drainage improvements at Pulaski Park area in Morningside. A collaborative effort with Morningside university resulted in \$1.5M investment, in the planning stage in 2025 with implementation set for 2026. Public Works, Parks & Rec, Morningside University (funding sources not identified beyond local budget) HIGH PRIORITY</p> |
| Drainage | Struble | <p>New. City is in need of improved stormwater drainage and runoff controls for downtown. <i>City Council</i> (City funds, transportation funds, Community Benefit funds) LOW PRIORITY</p> |

| refuge | | |
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| <ul style="list-style-type: none"> Identify, evaluate, and assess informal shelter locations. | | |
| <i>Goals Addressed</i> | <i>Hazards</i> | - Flood |
| 3, 4, 5 | | |

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| Shelter | Cherokee | New. City of Cherokee is aware of need for shelter location south of the river, serving the ball fields and surrounding parks and considering funding opportunities to support the project. A cost estimate is not immediately available as funding source may dictate size and other components affecting the cost. Priority level reflects lack of feasible funding in the near future, not the importance of the project. City parks dept., City Council, County EMA. (Local funds, fundraisers, community benefit grants, public safety initiatives) LOW PRIORITY |
| Shelter | Cherokee | New. City is assessing options for refuge locations for extreme heat/ extreme cold weather events, especially for individuals whose homes may not have air conditioning or sufficient heat systems. This would also serve to benefit those using rec areas where a brief respite may be necessary. City departments, clerk & administrator, County EMA as consult (local funds as needed) HIGH PRIORITY |
| Shelter | Correctionville | 2020: Considering means of enabling refuge when community center and city hall are not open. Assess feasible options in accessing when otherwise closed, or alternate location available 24 hrs. <i>City administration, Local services, agencies, businesses</i> (Local funds – additional supports unknown until solution has been identified) MEDIUM PRIORITY |
| Shelter | Correctionville | Implemented. Community Center remains unlocked during anticipated extreme weather events, particularly in winter. The school was designated as command center, recovery center, and temporary residence for displaced families during the 2024 flood events. |
| Shelter | Correctionville / River Valley School District | New. Formalize shelter/refuge/command center designation(s) and declaration process specific to hazard type and need. City, River Valley School District, County EMA. (No funding needs anticipated) |
| Shelter | Hinton | 2020: Storm Shelters @ City Parks; <i>City Administration, County EMA collaboration</i> (Local funds, Improving public spaces funds, PDM) LOW PRIORITY |
| Shelter | Hinton | Update: Carry over. The Elementary School is designated as a refuge site for large scale disaster vents. The City would still like to incorporate a shelter at City parks to serve as refuge site during ball games and other events. This project will carry over to the 2025 HMP, maintaining assigned priority. <i>City Administration, County EMA collaboration</i> (Local funds, Improving public spaces funds, PDM) LOW PRIORITY |
| Shelter | Ida Co | New. Interested in adding storm shelter at Fairgrounds. Project is primarily limited by funding but will remain on priority list for consideration when updates and other investments are planned. <i>County Board, County EMA, Fair Board</i> (Mitigation program funds, local/county funds, community safety |

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| | | programs, local foundation and betterment grants) MEDIUM PRIORITY |
| Shelter | Ida Co (w/Ida Grove) | New. Schmidt's Addition on 6 th in Ida Grove is a residential development without basements. Interest in establishing storm shelter in area. Location and scale of facility to be determined. May require preliminary study or project scoping to determine most effective option. County EMA, County Board, Ida Grove City administration/Council, residents as applicable (Community Safety funding opportunities, community foundation and/or betterment grants, local funds) MEDIUM PRIORITY |
| Shelter | Ida Grove | 2020: Issue formal recommendation for owners to add cement refuge shelter to trailer park to accommodate its four (4) residents; <i>City Administrator, Property Owner(s), Residents</i> (Local funds, private funds, Response support funds, PDM pending classification of facility) MEDIUM PRIORITY |
| Shelter | Ida Grove | Update - Resolved. The City has opted to designate the Rec Center as refuge/shelter location in the event of disasters. As such, a new project is added under "Generators" to substantiate use during extreme events that may include power outages. |
| Shelter | Lawton | 2020: Include tornado-rated safety features in plans for new community center; <i>City administration, Project coordinator, EMA collaboration</i> (Local funds, private funds, fundraisers, PDM) MEDIUM PRIORITY |
| Shelter | Lawton | Implemented. City constructed a new city hall/community center/maintenance facility that enables reasonable shelter from extreme weather. While not FEMA-level designated, the center has interior space designated as a safe area. The county has designated the new facility has been designated by the county as a recovery center as needed. Project overall cost is about \$1.3M. In addition to city staff, the fire department has access to the building in the event of an emergency or extreme weather conditions. |
| Shelter | Marcus | 2020: Interest in improvements of Fire Department to enable Safe Room designation. City Council, Fire Chief, County EMA as applicable. (Local funds, community benefit fund programs, PDM) HIGH PRIORITY |
| Shelter | Marcus | Implemented. An addition to the Fire Station has been completed allowing adequate space to serve as shelter site in the event of mass displacement. An ongoing concern is coordination of supplies in the event of such disaster. City will work with county and federal/state/local response teams as appropriate to attain and allocate supplies (such as cots) as needed. |

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| Shelter | Merrill | 2020: Interest in designating refuge locations at City Park and Campgrounds. Structural enhancements to be considered for formal designation. <i>City Council, City staff County EMA as applicable.</i> (local funds, community benefit programs, local groups, fundraising) |
| Shelter | Merrill | Update. No action taken due to lack of dedicated funding options. Project is still needed and carries into the 2025 HMP project list. Priority is due to funding constraints, not level of need. |
| Shelter | Merrill | Carry over. Interest in designating refuge locations at City Park and Campgrounds. Structural enhancements to be considered for formal designation. <i>City Council, City staff County EMA as applicable.</i> (local funds, community benefit programs, local groups, fundraising). LOW PRIORITY |
| Shelter | Monona County | 2020: At Onawa: Interest in adding formal storm shelter with tornado designation at the Fairgrounds and at the Christian Camp within the State Park. <i>County Conservation/Parks Dept, EMA, IDNR/State Parks Dept, City administration</i> (County funds, IDNR Program funding, PDM, Community Benefit funds) LOW PRIORITY |
| Shelter | Monona County | Update. Project not completed as funding source has not made project feasible. Project will carry over to 2025 HMP. |
| Shelter | Monona County | Carry over. At Onawa: Interest in adding formal storm shelter with tornado designation at the Fairgrounds &/or at the Christian Camp within the State Park. Priority level reflects lack of funding opportunity, not level of need. <i>County Conservation/Parks Dept, EMA, IDNR/State Parks Dept, City administration</i> (County funds, IDNR Program funding, PDM, Community Benefit funds, private funds as applicable) LOW PRIORITY |
| Shelter | Monona County | 2020: Shelter at Peters Park; <i>County Conservation/Parks Dept, EMA, IDNR/State Parks Dept,</i> (County funds, IDNR Program funding, PDM, Community Benefit funds, fundraisers, PDM) LOW PRIORITY |
| Shelter | Monona County | Update. Not implemented. County still interested in pursuing project at low priority due to lack of funding. Project will carry into 2025 HMP. |
| Shelter | Monona County | Carry over. Shelter at Peters Park. <i>County Conservation/Parks Dept, EMA, IDNR/State Parks Dept,</i> (County funds, IDNR Program funding, PDM, Community Benefit funds, fundraisers, PDM) LOW PRIORITY |

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| Shelter | Oyens | New. The city is in the process of establishing a city park. Plans include a shelter to offer moderate protection from thunderstorms, hail & lightning as well as shade in extreme heat conditions. <i>City Park Planning Committee, City Council</i> (Local funds, community betterment, PDM as applicable. HIGH PRIORITY |
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| technology | | |
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| <ul style="list-style-type: none"> Implement technology to more effectively assess, respond to, and recover from dangers associated with hazard events. | | |
| <i>Goals Addressed</i> | <i>Hazards</i> | - All Natural Hazards |
| 1, 2, 3, 4 | | - All Human-caused or Biological Hazards |
| Improve effectiveness | All Counties | 2020: Implement opportunities to improve broadband and cell service at all points within region. <i>County Boards, Collaborate with affected City Councils & School Districts, Internet/Cellular Service providers, Economic Development coordinators</i> (State programs, Economic Development programs, Private investment/market expansion, PDM) HIGH PRIORITY |
| Improve effectiveness | All Cities | 2020: Implement opportunities to improve broadband and cell service at all points within region. <i>City Council, Collaborate with affected School Districts, Internet/Cellular Service providers, Economic Development coordinators</i> (State programs, Economic Development programs, Private investment/market expansion, PDM) HIGH PRIORITY |
| Improve effectiveness | All School Districts | 2020: Implement opportunities to improve broadband and cell service at all points within region. <i>School District Board, collaborate with affected City Council, County Boards, Internet/Cellular Service providers, Economic Development coordinators</i> (State programs, Economic Development programs, Private investment/market expansion, PDM) HIGH PRIORITY |
| Improve effectiveness | Akron-Westfield CSD | 2020: Fire Alert System is under review to determine options for audio alerts and direction cues for visually impaired students/staff – Flashing beacon in place for hearing impaired persons; <i>School Board, Plant Engineering/Maintenance</i> (District funds, ADA supports, local funds, fundraisers, PDM) HIGH PRIORITY |
| Improve effectiveness | Akron-Westfield CSD | Complete. District invested \$150,000 on updates to its emergency alert system. Already suited with flashing lights for deaf/hard of hearing students/staff/visitors, audio commands are now incorporated into the system to better serve visually impaired individuals. |

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| Improve effectiveness | Hinton | <p>New. City has incorporated a plan to review their local Emergency Response and Emergency Operations Plans to assess and improve emergency response actions through:</p> <ol style="list-style-type: none"> 1. Establishing a chain of command process specific to emergency type and area of effect 2. Designate command center, including alternate location if center is impacted by event 3. Identify refuge/shelter locations that may serve in a general capacity |
| Improve effectiveness | Hinton | <p>New. City is working to better inform residents of pending and potential extreme weather and other hazardous events through the promotion of existing services including but not limited to Alert Iowa. City Clerk (no funding outside of staffing hours necessary) HIGH PRIORITY</p> |
| Improve effectiveness | Hinton | <p>New. Implementation of improved ADA access is needed for restrooms at community center and city parks. Parks & Rec, Public Works (local funds, accessibility or multi-generational living program grants, fundraisers) HIGH PRIORITY</p> |
| Improve effectiveness | Ida Co | <p>New. Efforts will continue as opportunities become available. <i>County Board</i> (State/Federal connectivity programs as may be available, private-public partnerships) MEDIUM PRIORITY</p> |
| Improve effectiveness | MMC CSD | <p>2020: District would like to place weather radios in each building; <i>School Board, Collaboration with EMA</i> (District funds, potential PDM funds) MEDIUM PRIORITY</p> |
| Improve effectiveness | MMC RU CSD | <p>Implemented. Both Systems within the MMC-RU School District are fully equipped with weather radios.</p> |
| Improve effectiveness | Remsen Union | <p>Implemented. Remsen Union system within the MMC-RU School District is equipped with handheld radios to better accommodate interdepartmental communications all at once.</p> |
| Improve effectiveness | Moville | <p>2020: Increase supply of handheld radios to improve inner and inter-department communications; <i>City Council, Collaboration with EMA</i> (City funds, potential PDM funds) LOW PRIORITY</p> |
| Improve effectiveness | Moville | <p>Implemented. The city police and fire departments are inter-connected allowing for immediate, in-time communications as needed. The city offices use All Contact enabling constant communication through departments.</p> |
| Improve effectiveness | Moorhead | <p>New. City is planning to increase awareness of Monona County's Alert Iowa system as effective means of communicating in-time weather events, as well as connected preparedness tools, as may be needed for residents. City Clerk, County EMA (No funds expected to be necessary beyond staff time) MEDIUM PRIORITY</p> |

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| Improve effectiveness | Rodney | 2020: Promote available weather alert subscription services such as Alert Iowa and storm-spotter training as available. <i>City Clerk</i> (no cost anticipated) HIGH PRIORITY |
| Improve effectiveness | Rodney | Update: No action specific was taken to on this project, however staff would like to revisit available opportunities and share with residents Carry over. Promote available weather alert subscription services such as Alert Iowa and storm-spotter training as available. <i>City Clerk, Council, County EMA</i> (no cost anticipated) HIGH PRIORITY |
| Improve effectiveness | Rodney | 2020: Improved communication w/County re: warning siren test schedule; <i>City administration, County EMA</i> (no cost anticipated) HIGH PRIORITY |
| Improve effectiveness | Rodney | Implemented. Siren was fixed in 2021 and testing is uniformly conducted on a routine schedule. |
| Improve effectiveness | Woodbury Co | 2020: EMA - Improve weather radio/communication receptors in southeast area of county; County EMA, County Board, State Communications (County funds, state program funds, PDM) MEDIUM PRIORITY |
| Improve effectiveness | Woodbury Co | Implemented. The county completed an upgrade of their communications systems, improving reception in problem areas. Funding source and cost were not provided. |
| Improve effectiveness | Woodbury Co | New. County is in the process of developing a Continuity of Operations Plan including alternate worksite locations for county offices in the event of displacement due to disaster, including reprioritization process for alternate work sites. |

| natural barriers/ supports | | |
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| <ul style="list-style-type: none"> Stabilize or increase naturally occurring mitigation features such as tree cover, wetlands, and/or greenspace. | | |
| Goals Addressed 1, 3, 5 | Hazards | <ul style="list-style-type: none"> Extreme Heat Flood (Flash) |
| Retention Pond | Bronson | 2020: Consideration to addition of Retention Pond to mitigate flooding; improve effectiveness of natural space in mitigation; <i>City administration, IDNR, Collaboration with County EMA, Contracted engineer services</i> (Local funds, Community Benefit funds, IDNR Program funds, PDM) LOW PRIORITY |

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| Retention Pond | Bronson | Update: Carry over. Action has not been taken due to other priorities, however project remains a concern for the city and will continue through the 2025 HMP planning period. <i>County EMA, Contracted engineer services</i> (Local funds, Community Benefit funds, IDNR Program funds, pre-disaster funds as may be available) LOW PRIORITY |
| Dyke improvement | Merrill | 2020: Implementation of improvements to substantiate dyke as barrier to flooding. <i>City Council, County, and DNR collaboration as applicable.</i> (Local funds) |
| Dyke improvement | Merrill | Update. Cells were raised in lagoon project completed in 2019. Area was still severely impacted by floods in 2024 necessitating further consideration and expanded options. |
| Dyke improvement | Merrill | New. Dyke enhancement and/or replacement with more effective protections against flood, especially for lagoon. Project may require a study to determine feasible options. <i>City Council, County, and DNR collaboration as applicable.</i> (Local funds) |
| Levees/Berms | Akron | New. Berms/Levees to reduce flood risk; rip rap for bank stabilization. <i>City, FEMA coordination</i> (Local funds, disaster/flood mitigation funds as may be available) HIGH PRIORITY |
| Trees | Marcus | New. Recognizing the benefits of a healthy tree population, the city is seeking funding opportunities to fortify its tree density, especially in recreation and public greenspace areas, filling gaps left by removal of dead/diseased trees. <i>Public Works, City Council, County Conservation as applicable</i> (local funds, Trees Please and similar re-treeing programs, Arbor Day Foundation) MEDIUM PRIORITY |
| Trees | Moorhead | New. City has removed dying/diseased trees from public rights of way as needed, but no schedule of removal or replacement is currently in place. City is interested in seeking funds to add trees back into parks, pending availability of funds, to serve as protection from extreme heat, soil stabilization/erosion control, and to serve as a wind barrier. <i>City administration</i> (City funds, IDNR programs, UPS Tree Grants and similar community reforestation funds, private funds) LOW PRIORITY |
| Trees | Rodney | 2020: Funding support to sustain/improve tree population; <i>City administration</i> (City funds, IDNR programs, UPS Tree Grants and similar community reforestation funds, private funds) LOW PRIORITY |
| Trees | Rodney | Update: No action has been taken due to lack of available funds (including local match). Community will continue to seek funding opportunities to re-substantiate its tree population. Carry over. Funding support to sustain/improve tree population. <i>City administration</i> (City funds, IDNR programs, UPS |

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| | | Tree Grants and similar community reforestation funds, private funds) LOW PRIORITY |
| Trees | Ute | New. Re-tree plan to be implemented. City reduced loss with treatment of ash trees in parks, however additional trees are needed to provide soil stabilization, respite from extreme heat/sun, and to serve as natural windbreak. <i>City administration</i> (City funds, IDNR programs, UPS Tree Grants and similar community reforestation funds, private funds) HIGH PRIORITY |
| Trees | Westwood CSD | New. District is seeking viable mode of tree replacement including an implementation plan and funding sources. Superintendent, District Maintenance, Re-Tree programs as applicable (district funds, community grants, IDNR, others as may be applicable) LOW PRIORITY |

In addition to planned projects, some general strategies have been identified that are expected to contribute to community resiliency. The following provides some specific actions and strategies that may be incorporated into future projects as well as existing practices with little or no cost to communities.

REGION-WIDE RECOMMENDATIONS

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| Awareness | Increased use of technology to provide relevant information -- event or season specific. |
| | Promote Alert Iowa notification services through City, School District, and County websites. |
| Coordinated Projects | Modify action to carry into new plan strategy: Identify need for shelter from tornado and windstorm. Then, design and develop storm shelters. Strategy should be routine assessment based on current and expected conditions and consideration how those conditions may be evolving, causing a change in need. |
| Equipment | High capacity snow thrower(s) (truck mounted) for use between counties within the region -- shared equipment. Monona & Woodbury specified potential for shared equipment if possible. Better capacity accelerates removal process; increases efficiency. |
| | Each county made some moderate improvements in fleet capacity, however coordination is still desired to reduce redundancy and improve efficiency of mutually needed equipment. |
| | Provide generators or alternate energy reserves for facilities identified as critical in times of crisis -- backup power supply |
| | Equip City as necessary to implement emergency protocol (materials to restrict access and/or infiltration such Road barricades; flood barriers, etc.) |
| Human Resources | Address decline in volunteer response departments necessitates need for action. Paid staff or at minimum paid time for training to meet certification requirements. |
| | Assess how other smaller communities are addressing volunteer shortages. Standardize "junior" responders -- high school students 17 and older, having been certified. Connect with school credits/internships. |

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| | To account for time constraints on volunteers, region should assess ability for remote training opportunity through web meetings or archived video training that may be interactive. Petition State to enable allowable flex-training options. |
| Policy | Formal ordinance directing routine/scheduled ditch maintenance to manage debris accumulation/blockages. Silt management needed for retention ponds as part of new developments. |
| | Ensure development guidelines include language addressing water retention &/or flow controls. |
| Promotion of existing resources | Promotion of subscription to Alert Iowa or other location-specific alert systems |
| | Promote availability of awareness materials and alert systems as available through respective EMA offices |
| | Make use of existing means of local communications to improve disaster awareness and preparedness -- postings, bulletin board, newsletter, email, text |
| Security | Consider security-oriented cameras and remote/keyless entry to enable access for refuge |
| Technology | Improved cell and internet services to maximize use of technological advancements is needed throughout the region. |
| Technology | tri-band radio communications capacity |

For jurisdictions that have participated in the development of this Plan but have not identified a specific action, strategy, or project, an amendment must be filed for FEMA and the Iowa Department of Homeland Security to formally recognize this jurisdiction as an eligible applicant for Pre-Disaster Mitigation Funds. Such condition is noted in the profile of respective jurisdictions. Since most School Districts did not outline specific actions, strategies, or projects, a statement indicating terms of eligibility is included in the district introduction under Title V. *School Districts Participating as Jurisdictions, Section A. Summary of Relevance to Plan.*