



# Hustisford Utilities

Shared Strength Through  WPPI Energy community

January 20<sup>th</sup>, 2022

Dodge County Board of Supervisors  
Russell Kottke, Chairman  
127 East Oak Street, Juneau, Wisconsin 53039  
920-386-3603

## Re: Dodge County American Rescue Plan Act (ARPA) Allocation

Chairman Russel Kottke

We are submitting the following \$450,000 Watermain Replacement Project and asking that this project be included in the \$17.7 million American Rescue Plan Act funds allocated to Dodge County. The project description is as follows....

- **Project Description:** The project involves the replacement of water main utility infrastructure along Anthony Street (Lake St. to Ridge St.), Ridge Street (Anthony St. to Griffith St.), and Ridge Street (Juneau St. to Tweedy St.). These sections of water main are undersized (4-inch diameter only), they have a shallow depth of cover causing freezing issues in the wintertime, as well as the Village has experienced numerous water main breaks within these sections in the past few years, which poses a public health, safety, and fire protection concern to the community. Wisconsin Administrative Code NR 811.70 states that the minimum diameter of water mains to provide adequate fire protection is 6-inches. The project work will involve the replacement of the existing water main piping and fittings within these sections of street and associated water service replacement as well as the restoration of the surface site features (roadway, curb, sidewalk, driveways, and grass lawn areas).
- **Project Timeline:** As noted within the description, the Village continues to experience water breaks and issues with these sections of water main and would like to replace them as soon as possible as funding is available. The overall project work is anticipated to take about 8-12 weeks to complete, which will be dependent on the contractor's schedule, weather, etc.
- **Project Funding:** The project work is anticipated to cost approximately \$450,000. The Village water utility does have some funds available for this project work; however, by partnering with Dodge County through this ARPA program, the Village will be able to complete all of this project work and address these public health, safety, and fire protection issues within the community.
- The ARPA funds as well as the Village's available funds will be used to finance this project.
- As noted in the project description, the county-municipal partnership on this project will provide a way for this entire project to be funded so that the work can be completed in the near future to significantly improve public health, safety, fire protection, and reliable water supply to this neighborhood and community at large. With the completion of this project work, the Village will no longer be plagued with the numerous freezing and water break issues that they have been experiencing these past years as well as provide adequate water supply for fire protection purposes in the event that it is needed in the future and to meet current State code.

- This project meets the ARPA requirements because it involves an "Investment in Infrastructure" as well as addressing public health and safety issues within the community as noted within the ARPA guidelines.

As you can see the Village of Hustisford's water system needs upgrades, many of the watermain's that are in need of replacement are in excess of 70 years old, many were installed at a period when the materials used were inferior to the materials currently available today. Also, the villages water rates are currently among the highest in the state primarily because radium compliance requirements of years past and the limited number of water users available to finance these plant improvements.

If you have any questions regarding this project feel free to contact, Todd Tessmann, Utility Manager at [ttessmann@hustisford.com](mailto:ttessmann@hustisford.com) or our engineer Jason Laue of MSA at [JLaue@msa-ps.com](mailto:JLaue@msa-ps.com).

We certainly would appreciate your consideration.

Thank-you

Lauri Buchanan, Hustisford Village Board President  
Kim Hopfinger, Hustisford Village Clerk  
Todd Tessmann, Utility Manager

CC: Jason Laue, MSA

Enclosure: Project Cost Estimate – Project Area Map



**ESTIMATE OF PROBABLE CONSTRUCTION COST****E. Anthony Street (Lake to Ridge) and Ridge Street (Anthony to Griffith and Juneau to Tweedy)**

Estimated Length (feet) = 1360

Estimated Width (feet) = 10

| ITEM                                                | EST.<br>QNTY. UNITS | UNIT<br>PRICE | TOTAL            |
|-----------------------------------------------------|---------------------|---------------|------------------|
| <b>WATER CONSTRUCTION</b>                           |                     |               |                  |
| PVC Water Main (8" I.D.)                            | 1360 L.F.           | \$70          | \$95,200         |
| Gate Valve & Box (8" I.D.)                          | 9 Ea.               | \$2,500       | \$22,500         |
| Misc. Water Fittings (Cross, Tee, Reducer, etc.)    | 1 Ea.               | \$550         | \$550            |
| Complete Hydrant Assembly                           | 1 Ea.               | \$7,000       | \$7,000          |
| Water Service Corporation                           | 18 Ea.              | \$400         | \$7,200          |
| Curb Stop & Box                                     | 18 Ea.              | \$400         | \$7,200          |
| H.D.P.E. Water Service (1 Inch I.D.)                | 750 L.F.            | \$60          | \$45,000         |
| Imported Granular Trench Backfill                   | 1210 Ton            | \$15          | \$18,150         |
| Subtotal Water Construction                         |                     |               | \$202,800        |
| <b>STREET CONSTRUCTION</b>                          |                     |               |                  |
| Mobilization, Bonds, & Insurance                    | 1 L.S.              | \$25,000      | \$25,000         |
| Traffic Control                                     | 1 L.S.              | \$4,000       | \$4,000          |
| Erosion Control                                     | 1 L.S.              | \$2,000       | \$2,000          |
| Breaker Run (8 Inch Thick)                          | 1810 S.Y.           | \$6           | \$10,860         |
| Dense Graded Base (4 Inch Thick)                    | 1810 S.Y.           | \$4           | \$7,240          |
| Asphaltic Binder Pavement (2.25 Inch Thick)         | 1810 S.Y.           | \$9           | \$16,290         |
| Asphaltic Surface Pavement (1.75 Inch Thick)        | 1810 S.Y.           | \$8           | \$14,480         |
| Restore 30-Inch Concrete Curb & Gutter              | 600 L.F.            | \$12          | \$7,200          |
| Restore Concrete Sidewalk                           | 1450 S.F.           | \$6           | \$8,700          |
| Restoration and Clean-up                            | 4900 S.Y.           | \$7           | \$34,300         |
| Subtotal Street Construction                        |                     |               | \$130,070        |
| Contingency                                         |                     |               | \$67,130         |
| Engineering (12%)                                   |                     |               | \$50,000         |
| <b>Total Estimate of Probable Construction Cost</b> |                     |               | <b>\$450,000</b> |

**General Notes:**

1. The quantities and prices are the best estimate at this time. The costs associated with administration, financing, and inflation are not included. All costs are assumed to be 2022 construction costs.
2. The pipe sizes are estimated and will require further study to determine the appropriate sizes, types, and configurations.
3. Costs are based upon "normal" construction conditions. There is no allowance for poor sub-soil conditions, high bedrock, high groundwater, or any other un-foreseen conditions that would require extra effort from the contractor.
4. The costs shown for Engineering are an estimate at this time based on a percentage of the overall project costs. These costs may increase or decrease once a defined scope of services is determined.



