



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street, SE
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Harold D. Ward, Cabinet Secretary
dep.wv.gov

MEMORANDUM

To: Brad Sergent, Chair
Meredith J. Vance, Director, Environmental Engineering Division, BPH

From: Katheryn Emery, P.E., Program Manager
Sewer Technical Review Committee

Date: February 18, 2026

Subject: City or Keyser
IJDC Application - 2026S-2752 (Critical Needs)
Rt. 220 Sewer Replacement Project

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1. This committee has reviewed the preliminary application and engineering report submitted for the above referenced project in accordance with Chapter 31, Article 15A. It has been determined that the proposed project is:
 - a. Consistent with the intent of the Infrastructure and Jobs Development Act and is the most cost-effective, environmentally sound alternative for solving the water needs in this area.
 - b. Not consistent with the Act and may not be the most cost effective, environmentally sound alternative for solving the wastewater needs in this area.
 - c. Same as (a) above except that certain issues need to be addressed prior to design and construction as the attached comments indicate.

 2. Our recommendation is that:
 - a. The Funding Committee needs to review the proposed sources of funding to determine the best mix of grant and/or loan funds in accordance with applicable guidelines.
 - b. The Funding Committee should recommend that the Council approve the proposed project and its funding plan.

Promoting a healthy environment.

- c. ___ The Funding Committee does not need to review the funding assumptions on this project because of deficiencies in the engineering report. The proposed project should be tabled for the consultant to address technical comments.
- d. ___ This project should be referred to the Consolidation Committee.

3. Other remarks:

The proposed project will remove and replace 1,000 linear feet (LF) of 10-inch gravity sewer line that has collapsed along U.S. Route 220, rehabilitate one (1) existing manhole, and install five (5) new manholes and two (2) new cleanouts. This project will replace an existing line, which was videotaped and observed to have collapsed, with a 95% blockage visible on camera. Documentation of sewer backups was provided.

The total proposed project cost is \$1,200,000.00 and the City intends to pursue a Critical Needs Grant from the West Virginia Infrastructure and Jobs Development Council (WVIJDC) for the full amount. The current rate for 3,400 gallons is \$55.91 (1.5% of MHI).

The Funding Committee should evaluate the proposed funding for project viability.

Preliminary Project Ratings:

Public Health Benefits: 15
Compliance with Standards: 15



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MEMORANDUM

TO: Katheryn Emery, P.E., Program Manager, DWWM

FROM: Thomas Cazad, P.E., Engineer Senior, DWWM

DATE: February 10, 2026

SUBJECT: City of Keyser
IJDC Application: 2026S-2752 (Critical Needs)
Route 220 Sewer Replacement Project

RECOMMENDATION

The IJDC Application and Preliminary Engineering Report (PER) prepared by The Thrasher Group for the above-mentioned project have been reviewed and are technically feasible.

PROJECT DESCRIPTION

The City of Keyser (City) owns and operates a sequencing batch reactor (SBR) wastewater treatment plant (WWTP), which is designed for an average daily flow (ADF) of 2.4 million gallons per day (MGD) and serves approximately 2,172 customers. The proposed project will remove and replace 1,000 linear feet (LF) of 10-inch gravity sewer line that has collapsed along U.S. Route 220, rehabilitate one (1) existing manhole, and install five (5) new manholes and two (2) new cleanouts.

The total proposed project cost is \$1,200,000.00 and the City intends to pursue a Critical Needs Grant from the West Virginia Infrastructure and Jobs Development Council (WVIJDC) for the full amount. The current rate for 3,400 gallons is \$55.91 (1.5% of MHI).

NEED FOR PROJECT

The PER indicates that the line was videotaped and observed to have collapsed, with a 95% blockage visible on camera. Due to the collapsed line, sewer backups have been occurring at a nearby church and surcharging flows have been observed along U.S. Route 220 itself. Without the replacement of this line, these conditions will continue and are likely to worsen over time. Correspondence from the Engineer indicates that the additional manholes are necessary for increased access to this line, which currently does not have manholes at standard intervals.

DEFICIENCIES/COMMENTS

- Discrepancies exist between the PER and the IJDC Application regarding the project cost. This memo reflects the costs from the PER.
- Using the PER, the Design Fees and the Total Engineering Fees appear to be within the ASCE Curves.
- It is unclear whether the cost estimate includes bypass pumping for the removal and replacement of the line. This will be necessary to maintain operations during construction.
- Documentation of 5G Compliance was not provided.

Preliminary Project Ratings:

Public Health Benefits: 15
Compliance with Standards: 15