

**Mayor and Council of Federalsburg
Monday, May 16, 2022
Workshop Meeting @ 6:00 P.M.**

This Meeting is being held at the Mayor and Council Meeting Room located at 118 North Main Street. Citizens who wish to participate by video shall follow directions listed below:

Join Zoom Meeting

<https://us02web.zoom.us/j/88307558915?pwd=aHV4TjhuTEVVRVdRMmN5RmZtdXlydz09>

**Meeting ID: 883 0755 8915
Passcode: TOFWork**

Agenda

- I. Call to Order**
- II. Public Comment**
- III. Proclamation – National Police Week 2022**
- IV. Request for Funding Support from American Rescue Plan Act\State and Local Fiscal Recovery Funds – Federalsburg Activity Center**
- V. Engineering Services Task Orders for Chambers Lake Dam Scope of Work, and Street Paving and Repairs**
- VI. AMI Water Meter System Upgrade – Selection of Qualified Firm**
- VII. Town Auction\Bid on Surplus Vehicles and Equipment**
- VIII. Discussion of Draft Fiscal Year 2022-2023 Budget**
- IX. Introduction of ORDINANCE NO. 2022-2- AN ORDINANCE OF THE MAYOR AND COUNCIL OF FEDERALSBURG ADOPTING A GENERAL**

BUDGET AND ENTERPRISE BUDGET FOR THE FISCAL YEAR BEGINNING JULY 1, 2022 AND ENDING JUNE 30, 2023, AND ESTABLISHING A TAX RATE OF \$.88 PER \$100 OF ASSESSED REAL PROPERTY VALUE AND A TAX RATE OF \$1.65 PER \$100 ON ALL COMMERCIAL OR BUSINESS PERSONAL PROPERTY AND ALL RAILROAD AND UTILITY PROPERTY; ESTABLISHING AND ADOPTING THE SAME SERVICE AND ADMINSTRATIVE FEE FOR SEMI-ANNUAL BILLINGS AS ADOPTED BY CAROLINE COUNTY; ESTABLISHING A QUARTERLY WASTE COLLECTION FEE IN THE AMOUNT OF \$40.65 PER QUARTER FOR COMMERCIAL PROPERTIES WHICH RECEIVE WASTE COLLECTION SERVICES AND FOR ALL RESIDENTIAL PROPERTIES LOCATED WITHIN THE CORPORATE TOWN BOUNDARIES; AND ESTABLISHING A \$6.00 PER ITEM CHARGE FOR EXTRA WASTE COLLECTION ITEMS

X. June and July Mayor and Council Meeting Schedules – Conflict with Observation of the Juneteenth and Independence Day Holidays

XI. Mayor & Council Action Items

- * Councilmember Windsor**
- * Councilmember Sewell**
- * Councilmember Phillips**
- * Councilmember Willoughby**
- * Mayor Abner**

XII. Adjournment

NOTES:

THE MEETINGS ARE BEING RECORDED, PLEASE TURN OFF ALL CELLULAR DEVICES AND PAGERS DURING THE MEETING, PLEASE REMAIN QUIET, UNLESS ADDRESSING THE COUNCIL.

Please Note: Pursuant to the Annotated Code of Maryland, State Government Article Section 10-508(a), the Council by majority vote may retire to executive or closed session at any time during the meeting. Should the Council retire to executive or closed session; the chair will announce the reasons and a report will be issued at a future meeting disclosing the reasons for such session. Meetings are conducted in Open Session unless otherwise indicated. All or part of Mayor and Council meetings can be held in closed session under the authority of the state open meetings law by vote of the Mayor and Council.

Rules for Public Comment

The Mayor and Council invite and welcome comments at public meetings. The Mayor or presiding officer will recognize you. Please introduce yourself at the podium (spelling your last name, for recording purposes) and give the name of your street and block number (e.g., 100 block of Main Street).

Time limits for speaking are indicated on the meeting agenda. While speaking, please maintain a courteous tone and avoid personal attack.

TO: Mayor & Council Members
FR: Larry DiRe, Town Manager
DT: May 16, 2022
RE: Engineering Services Task Orders for Chambers Lake Dam Scope of Work, and
Street Paving and Repairs

Currently there are two significant engineering projects requiring mayor and council review, discussion and direction. The first of these is the Chambers Lake Dam scope of work (attached) generated by the Maryland Department of the Environment's Dam Safety group. Chambers Lake Dam is listed as a significant risk dam. The second is the street repaving and repair project. The street condition inventory report done several years ago by the public work director is attached.

Pending discussion provide direction to staff and assign task to consulting engineer.



Maryland

Department of the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

January 12, 2022

Lawrence DiRe, Town Manager
118 North Main Street
Federalsburg, Maryland 21632

Dear Mr. DiRe:

The Maryland Department of the Environment, Dam Safety (the Department) regulates dams in accordance with Sections 5-501 through 5-514, Annotated Code of Maryland, Environment Article, and promotes safe design, maintenance, and operation of dams in accordance with national and local best practices. Accordingly, the purpose of this letter is to provide the Town of Federalsburg (the Town) with a comprehensive scope of work that is intended to promote a safe design of repairs to deficiencies noted at the Chambers Lake Dam structure during periodic routine inspections. In addition, the scope is intended to ensure that the design and construction meet the current state of practice. The scope will be separated into two sections: evaluations and permit requirements.

Evaluations

1. Survey the structure elements: top of dam along the centerline profile, spillway crest elevation, top of the left and right wingwalls, sill invert, concrete pad invert, top of the concrete support for the valve, invert in and out of the pipes under Central Avenue. **No Permit (NP)**
2. Contract with an engineering consultant experienced in dam inspections to perform a comprehensive inspection of the dam to include the concrete support for the gate control, the concrete wingwalls, the concrete spillway, pad and sill and the earth dam. **NP**
3. Contract with an engineering consultant experienced in dam design to complete a standard breach analysis which includes determining the discharge from the dam that would result from normal operations (no breach) and from an uncontrolled release of water (dam breach), routing/modelling the discharges downstream of the dam, analyzing the change in downstream impacts between breach and non-breach conditions, determining the hazard classification. **NP The Department's approval of the breach analysis and hazard classification is required prior to moving forward with construction at a dam, when proposed construction at a dam will change the hydraulic function of the dam.**
4. Contract with an engineering consultant to prepare a report with the results of the dam inspection and breach analysis and their recommendations for repair, replacement or new design construction of the dam elements. **NP**
5. Chambers Lake Dam elements that require recommendations for monitoring and/or engineering of a repair, replacement or new design include:

- a. Removal of the root ball system of the trees located on the dam crest,
 - b. Left wingwall,
 - c. Spillway/concrete pad/sill,
 - d. Concrete valve support,
 - e. Gate,
 - f. Right wingwall,
 - g. Dam crest elevation and condition. NP
6. Cutting the tops or flush cutting trees with diameters greater than 6 inches does not require a permit. NP

Dam Safety Permit Requirements

Repair, replacement or new construction of the following dam elements requires a permit:

- a. Removal of the root ball systems of the trees located on the dam crest,
- b. Left wingwall,
- c. Spillway/concrete pad/sill,
- d. Concrete valve support,
- e. Gate,
- f. Right wingwall,
- g. Dam crest.

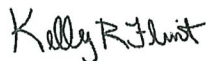
More specifically, the following components would be required on the Engineering Plans and/or in the Construction Specifications for these dam elements if repair, replacement or new construction is needed, prior to permit issuance.

1. Removal of root ball systems(s)
 - a. Completed under observation of engineer in charge or their designee.
 - b. Provide Detail TR-1 from Policy Memorandum Number 1, Maintenance and Repair: Trees and Woody Vegetation on Engineering Plans.
2. Left Wingwall repair, replacement or new construction
 - a. Provide structural computations
 - b. Provide structural detail(s) on Engineering plans
 - c. Provide material specifications on the Engineering plans and/or Construction Specifications
3. Spillway/concrete pad/sill repair, replacement or new construction
 - a. Provide structural computations
 - b. Provide structural detail(s) on Engineering plans
 - c. Provide material specifications on the Engineering plans and/or Construction Specifications
4. Concrete gate support wall and top repair, replacement or new construction
 - a. Provide structural computations
 - b. Provide structural detail(s) on Engineering plans

- c. Provide material specifications on the Engineering plans and/or Construction Specifications
5. Gate repair, replacement or new construction
 - a. Provide detail on Engineering plans
 - b. Provide manufacturer specifications on the Engineering plans and/or Construction Specifications.
6. Right Wingwall repair, replacement or new construction
 - a. Provide structural computations
 - b. Provide structural detail(s) on Engineering plans
 - c. Provide material specifications on the Engineering plans and/or Construction Specifications
7. Dam crest repair, new construction
 - a. Provide profile through the centerline of the dam on the Engineering plans
 - b. Provide a typical cross section through the dam on the Engineering plans
 - c. Provide geotechnical specifications on the Engineering plans
8. Please refer to ACI 318-19: Building Code Requirements for Structural Concrete and ACI 350 Code Requirements for Environmental Concrete Structures for current state of practice regarding concrete repair, replacement or new construction.
9. A professional engineer, experienced in dam design and construction is required to oversee the work done at the dam and to provide weekly construction inspection reports to Dam Safety.
10. Preparation of as-built plans and construction documentation (material tickets, results of testing performed during construction) to be submitted to Dam Safety upon project completion.

The comprehensive scope provided in this letter supplements deficiencies, permit requirements and funding sources detailed in previous correspondence to the Town; specifically, the original inspection report noting deficiencies at the dam dated November 2, 1993, the '2018 Chambers Lake Dam Inspection' report sent to the Town on April 12, 2019, emails 'Federalburg Dam Repairs' and 'Federalburg's Chambers Lake Dam Project' that were sent on March 8, 2021 and March 11, 2021 and an email 'Chambers Lake Dam – Town of Federalburg' detailing an additional funding source that was sent on November 8, 2021. Please refer to the enclosures. As the owner of Chambers Lake Dam, the Town is responsible for applying for funding, which includes providing the information necessary to document the request for funding and for meeting permit obligations which demonstrate that work on Chambers Lake Dam which is listed on the National Inventory of Dams and the Maryland Dam Inventory meets the current state of practice and promotes safety.

Sincerely,



Kelly Flint, P.E.

Chambers Lake Dam (MD Dam No. 174)

January 12, 2022

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Enclosures

Cc: John Roche, P.E., Chief Dam Safety Permits Division
Scott Bass, P. E., Acting Chief Dam Safety Inspections and Compliance Division
Cheryl Reilly, MDE Capital Projects
Sunita Boyle, MDE Capital Projects
Preeti Shrestha, MDE Capital Projects
Jeffrey Fretwell, Legislative Assistant
Walid Saffouri, MDE Capital Projects
Terria Wilson, Office of Budget
George Mayer, Rauch Engineering



File

William Donald Schaefer
Governor

Maryland Department of Natural Resources
Water Resources Administration

Tawes State Office Building
Annapolis, Maryland 21401

Torrey C. Brown, M.D.
Secretary

Robert D. Miller
Director

"A Commitment to Excellence in Managing Maryland's Water Resources"

November 2, 1993

Mr. Richard Colburn
Town Manager
Town of Federalsburg
P.O. Box 471
Federalsburg, MD 21632

RE: Chambers Lake
Dame Safety Inventory #174

Dear Mr. Colburn:

On October 29, 1993 I inspected an existing embankment dam across Tanyard Branch which is listed on the State Dam Safety Inventory as Chambers Lake and owned by the Town of Federalsburg. Due to its location immediately upstream from the public road, the dam is considered a significant hazard structure.

According to our records this dam was built in the late thirties and consists of earthen embankment and a concrete spillway. The water level in the lake was near normal. The majority of flow over the spillway concentrated on the right side of the spillway (looking downstream) near the sluice gate.

The earth embankment appeared to be in a fairly good condition with a good cover of short grass. However, the concrete spillway showed signs of deterioration. Specifically, approximately half-inch wide vertical crack developed in the left wingwall just above the spillway crest. I consider this situation serious since it appears that the wall is completely failed at that location and there was an evidence of some lateral movement. The wingwall must be repaired now to avert wall collapse. You may want to engage a qualified professional engineer to determine the cause of the failure and to provide you with specific recommendations in this regard. The details shall be provided to us for review and approval prior to repair.

Telephone: (410) 974-2101
DNR TTY for the Deaf: 301-974-3683

Chambers Lake
November 2, 1993
Page 2

Secondly, it was noted that the downstream face of the spillway has eroded to the point that it may soon need resurfacing. This situation shall be monitored and we shall be kept informed about the condition of the spillway.

Finally, the sluice gate drain valve must be maintained operable. The valve should be operated at least once a year to keep it in working order.

Should you have any questions or require additional clarification please do not hesitate to call me at (410) 974-2101.

Sincerely,

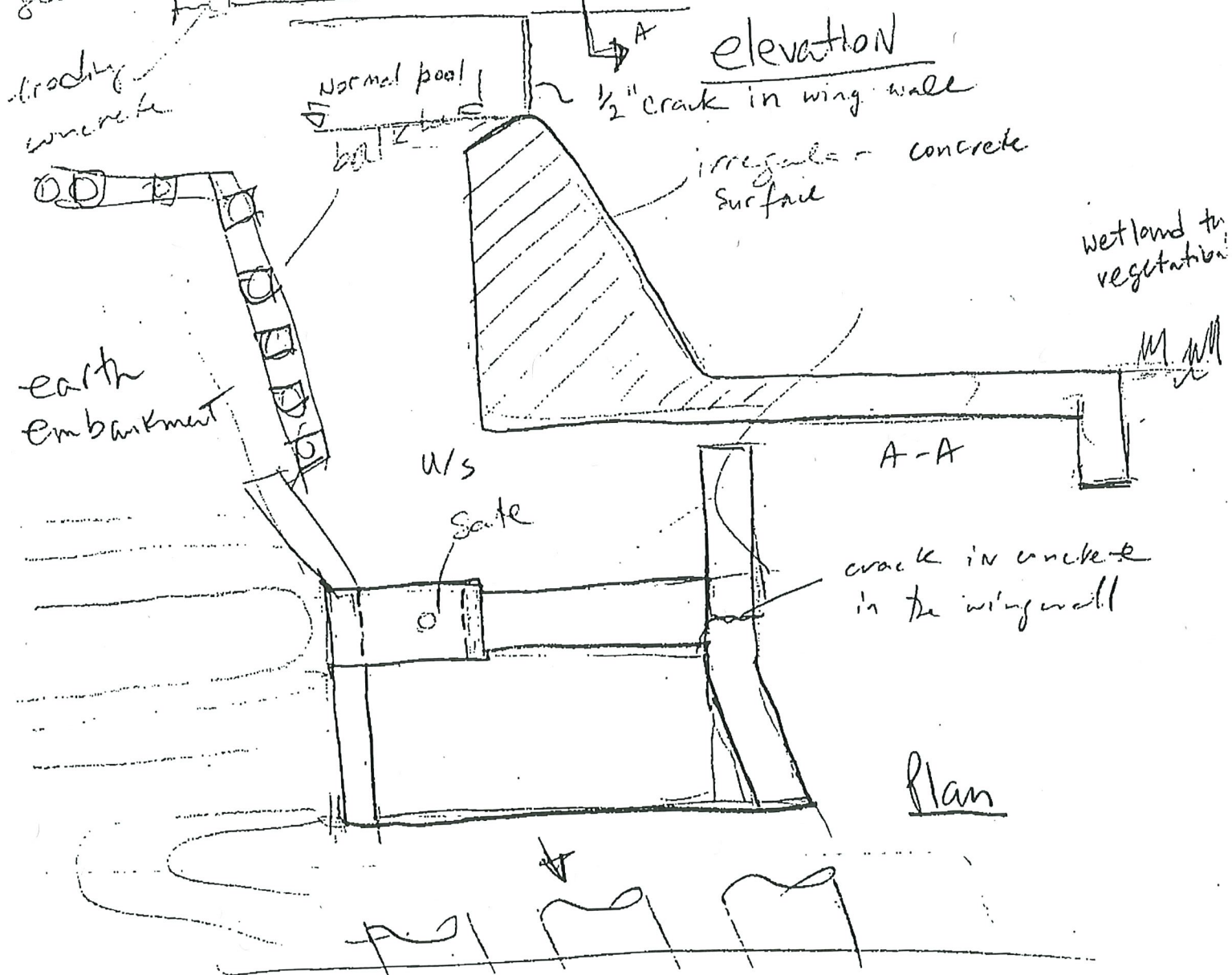
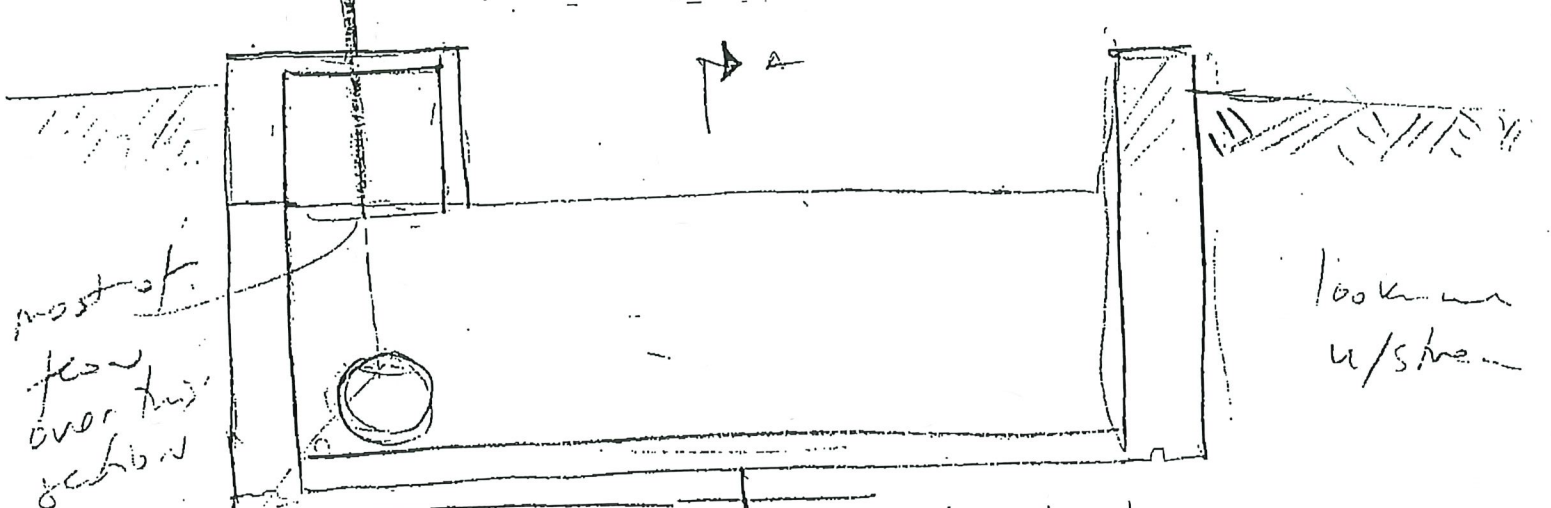
Gene Gopenko

Gene Gopenko
Project Engineer
Dam Safety Division

GG:gg

10/29/93
MEG

Federal Spring Dam





Maryland

Department of the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

April 11, 2019

Shirley Greene
Town of Federalsburg
118 North Main Street
Federalsburg, Maryland 21632

Subject: Dam Inspection Findings
Chambers Lake Dam (MD Dam No. 174)

Dear Ms. Greene:

On December 13, 2018 the Dam Safety Division of the Maryland Department of the Environment (hereafter referred to as the Department) inspected the Chambers Lake Dam for a periodic dam inspection.

The purpose of the periodic inspections is to attempt to detect any early signs of deterioration that may affect the safe operation of the dam and to identify maintenance items that, if performed routinely, can save costly repairs. The following persons were present for the inspection:

Kelly Flint	MDE Dam Safety
Anna Sobilo-Ryzner	MDE Dam Safety
Steve Dyott	Town of Federalsburg Public Works Director

Inspections consist of a visual, but technical, examination of the dam and appurtenant works, as well as a limited review of the file maintained by the Department. Findings are based on visual observations of the inspector at the time of the inspection, unless otherwise noted. Accordingly, the contents of this inspection report should not be treated as an in-depth engineering evaluation, though such evaluations or detailed investigations may be recommended based on the findings.

The Department regulates dams in accordance with Sections 5-501 through 5-514, Annotated Code of Maryland, Environment Article, and promotes safe design, maintenance and operation of dams in accordance with national and local best practices. The inspection was performed under authority contained in the Annotated Code of Maryland, Environment Article, §5-509.

Common law holds that the storage of water is a hazardous activity and the Department does not assume any responsibility or risk for action or inaction of the dam owner and/or operator. Dam owners are responsible for the safe operations and maintenance of their impoundment structure.

Dam History and Previous Findings

The Chambers Lake Dam was originally constructed across Tanyard Branch (Use I waters) in 1937 to impound water for recreational purposes. The dam is an earth embankment composed of clay, sand and gravel material. Seepage control consists of wood sheeting along the centerline of the dam. The dam is 390 feet long and 11 feet high and creates an approximately 9.4-acre lake. The spillway consists of a 38.5-foot wide concrete spillway. Low-flow releases are managed by a 3 foot by 3 foot sluice gate, which replaced the

original 18 inch by 18 inch sluice gate in 1988. The dam is capable of passing half the probable maximum flood (PMF) with adequate freeboard.

Previous inspections, from 1993 to present, identify vertical cracks in the left wingwall and cracking of the sluice gate support. A follow-up investigation and recommendations were completed by Davis, Bowen and Friedel, Inc. DBF recommended repair of the wingwall by excavating the earth behind the wingwall and filling the crack by pressure grouting and replacing the sluice gate slab support wall. The Department allowed the Town of Federalsburg to remove trash and debris from the lake as general maintenance that did not require a permit as long as certain conditions were met in 1995. A subsequent letter dated April 1996 from the Department to the Town of Federalsburg, inquired upon the status of repairing the left wingwall and replacing the sluice gate support. The left wingwall repairs and sluice gate support replacement are currently outstanding. The dam is currently classified as having a significant hazard potential.

Dam Location and Aerial View

Figure 1 Location Map: The dam is located on the east side of East Central Avenue between Chambers Lake Drive and Gerardi Boulevard in Federalsburg, MD.

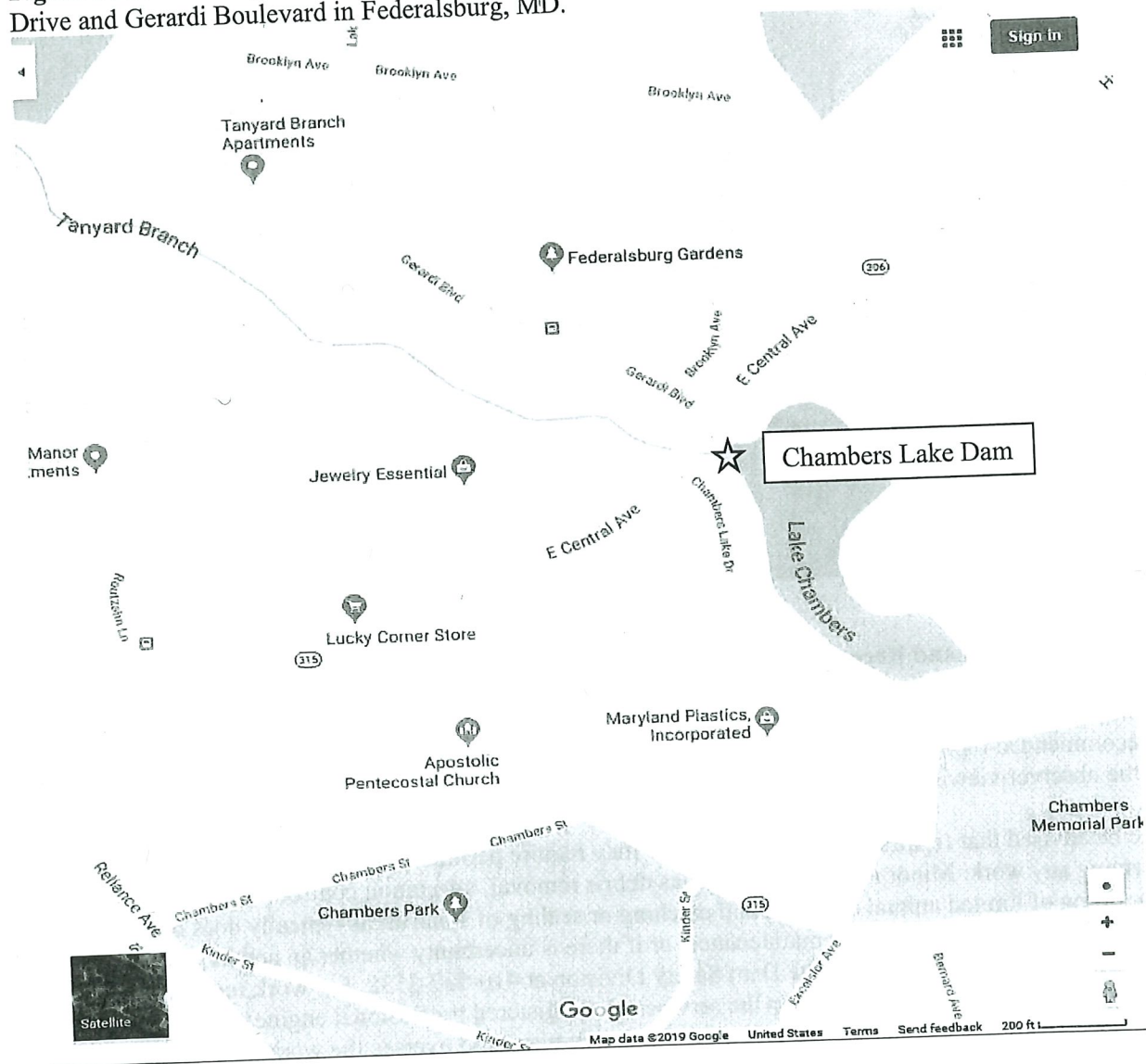


Figure 2 Aerial Photo of Dam and Pond (October 2013)



Inspection Findings and Recommendations

The following paragraphs include a summary of the limited visual observations made during the inspection and recommended repair or maintenance activities. Please note that the terms “right” and “left” are defined with the observer viewing the dam looking in the downstream direction, unless otherwise indicated.

Please be advised that repairs recommended below may require permits from the Department prior to performing any work. Minor maintenance such as debris removal, vegetation control (unless removing root balls), filling of limited animal burrows, and patching or sealing of small areas typically does not require a permit. For work other than minor maintenance, or if there is uncertainty whether an action is considered minor maintenance, please contact the Dam Safety Division at 410-537-3538. For work requiring a permit, the dam owner will be required to retain the services of a registered professional engineer, experienced in the design and construction of dams, to develop any necessary plans and oversee the work.

- The lake level at the time of the inspection was approximately El. 21.5 ft (normal pool).
- The dam embankments require rigorous maintenance efforts to ensure that conditions do not deteriorate over time. The Department recommends that dam embankments be mowed at least two (2) times per year, or more frequently according to the dam owners needs and rate of vegetation growth. It is preferable that grass is maintained no more than mid-calf height. Based on observations made during the inspection, the following maintenance items have been identified;
 - Numerous small trees and other woody vegetation has encroached on the top of dam, the downstream left abutment, downstream toe, and around the outfall and plunge pool. Tree growth on (and near) the dam can cause significant damage to the embankment if the tree topples or roots begin to decay, and this vegetation obscures potential defects including seepage areas. (Refer to the publically available FEMA document "*FEMA 534: Impact of Plants on Earthen Dams*" for additional information). Trees and woody plants must be removed from within 15 feet of the dam embankment, abutments and toe and a healthy stand of grass must be established in their place. The Maryland 2011 Standards and Specifications for Soil Erosion and Sediment Control should be consulted to determine appropriate herbaceous seeding mixtures for permanent stabilization. Refer to section B-4-5, in particular the "Dikes and Dams" row from table B.2. The trees can be cut at the ground surface and, where possible, treated to prevent future growth.
 - Tall grasses were observed at/near the water line on the upstream face of the dam. These should be mowed/trimmed at the same time as the remainder of the embankment.
 - An area on the top of dam near the large diameter trees is sparsely vegetated and presents an erodible surface that may affect the embankment integrity in a heavy rain event. Although there was no evidence of erosion, rill and gully erosion may develop in the future as a result of lack of grass cover. These areas should be stabilized with seed and mulch as necessary to establish a healthy stand of grass. The Maryland 2011 Standards and Specifications for Soil Erosion and Sediment Control should be consulted to determine appropriate herbaceous seeding mixtures for permanent stabilization. Refer to section B-4-5, in particular the "Dikes and Dams" row from table B.2.
- The Department recommends that the dam staff exercise and lubricate the sluice gate at least two (2) times per year, or more frequently if recommended by the manufacturer. Next time the sluice gate is exercised, please take a photo(s) of the open gate with a timestamp and submit copies of the photo(s) to the Dam Safety Division.
- A Previous inspection in April of 2012, showed a crack on the right side of the top slab and two vertical cracks in the left side wall of the sluice gate support. The recent inspection in December of 2018 noted that the portion of the top slab on the right side has now broken off. The sluice gate support is needed to maintain the operability of the sluice gate. Please provide a timeline and plan for repairing or replacing the sluice gate support within 6 months to the Dam Safety Division.
- Previous inspections from 1993 on, identify vertical cracks in the left wingwall. The Dam Safety Division has previously advised that the cracks should be repaired. Please provide a timeline and plan for repairing or replacing the left wingwall within 6 months to the Dam Safety Division.

- A previous inspection from December of 1987 shows pitting and deterioration of the principal spillway concrete. The condition of the principal spillway concrete should be evaluated by the owner's engineer and a report with the assessment and any recommendations submitted to the Dam Safety Division.
- Chambers Lake is a recreational resource for the surrounding community. Therefore, it is possible that recreational activities may intentionally or unintentionally encroach on the dam. No signs were observed during the inspection indicating the potential hazard to public safety that the dam creates. The Department recommends warning signs be installed upstream of the dam to discourage recreational uses in the stream near the dam.
- Successful implementation of the Emergency Action Plan (EAP) requires an understanding of the water levels in the impoundment. A staff gage should be installed on or near the dam, in a location that is readily observed from a safe location, which indicates the water elevations indicated in the EAP. The staff gage should be constructed of a durable material and markings should be made with durable, fade-resistant, reflective materials so that they are easily visible during emergencies.
- Annual EAP "maintenance" can help reduce the potential that a person or entity will not be familiar with their roles and responsibilities in the event of an emergency. The Emergency Action Plan (EAP) for the dam was updated in March 2011. Recently passed legislation updated Title 5 of the Environment Article, Annotated Code of Maryland to require owners of High and Significant Hazard dams to provide an updated EAP to the Department annually by May 1. The legislation also requires dam owners to coordinate functional EAP exercises with local emergency officials at least once every five (5) years. The Department recommends completing the EAP exercise within the next one (1) year. The March 2011 EAP should be reviewed and updated as needed by the May 1 deadline. Please provide a copy of the updated EAP to the Dam Safety Division, or, if no updates are necessary, please contact the Dam Safety Division to inform them that the review is complete and no changes are necessary.
- While most EAPs include a list of engineering and contracting resources that may be of assistance during an incident, it is strongly recommended that dam owners and operators check in with these vendors as part of reviewing and updating the EAP each year. Having a formal or informal agreement in place prior to an incident can help reduce delays in response.
- The Dam Break and Danger Reach analysis for the dam was last updated in 2003. The Department strongly recommends that an updated Dam Break Analysis be completed using current data, methods and software within ten (10) years.
- The Department recommends that dam owners inspect their structures annually. At a minimum, annual inspection reports shall include a dam inspection checklist, photographs of the dam, and a review of the downstream area to determine if new development has increased the hazard potential (typically performed by driving the downstream area or reviewing recent and past aerial photos using a service such as Google Earth). Annual inspection reports should be submitted to the Department within sixty (60) days of each inspection. A copy of a dam inspection checklist is attached to this report. The annual inspection may be performed at a time convenient to the owner.

A completed "Dam Inspection Checklist" with annotated photographs is enclosed for your file.

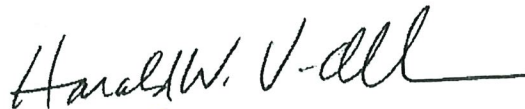
Chambers Lake Dam Inspection (MD Dam No. 174)
April 11, 2019
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Please feel free to contact Kelly Flint at (410) 537-3536 or Kelly.flint@maryland.gov or Mr. Hal Van Aller, Chief of the Dam Safety Division, at (410) 537-3538 if you have questions regarding the inspection or recommendations included in this letter.

Sincerely,



Kelly Flint, P.E.
Dam Safety Division



Hal Van Aller, P.E., Chief
Dam Safety Division

cc: Hal Van Aller, P.E., Chief, Dam Safety Division, hal.vanaller@maryland.gov
Steve Dyott, Town of Federalsburg Public Works Director

PHOTOS

Photo 1 Woody vegetation left abutment



Photo 2 Large diameter trees and bare areas on the top of dam



Photo 3 Top slab of sluice gate support April 2012

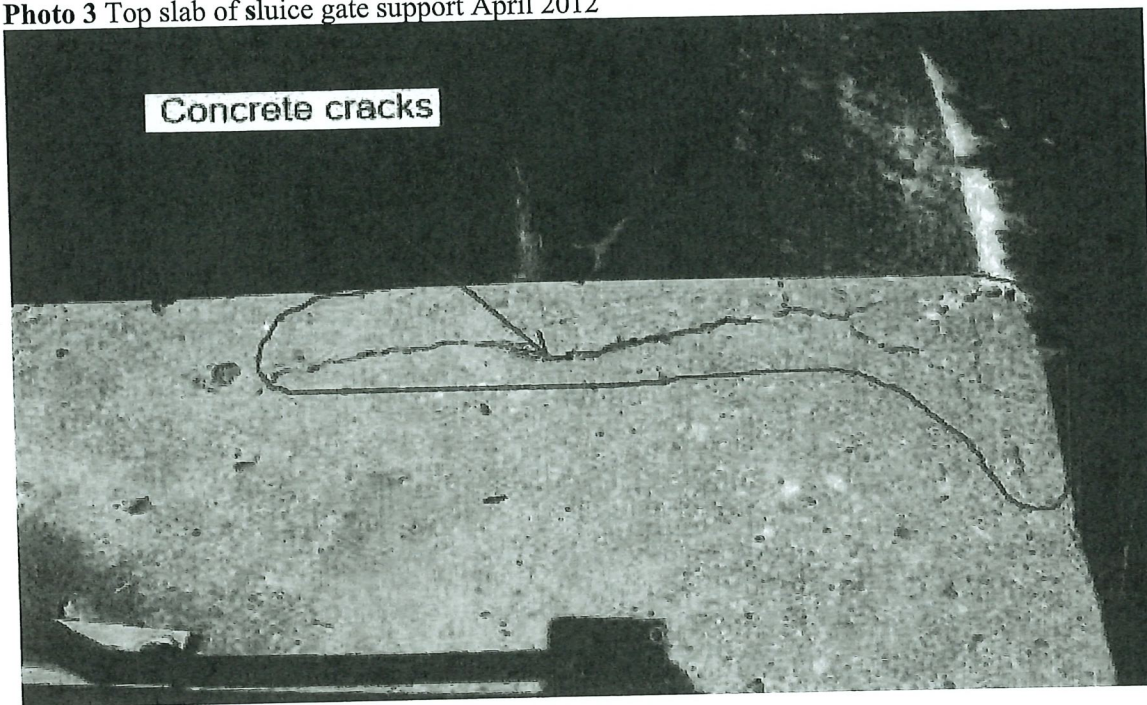


Photo 4 Right wall of sluice gate support April 2012

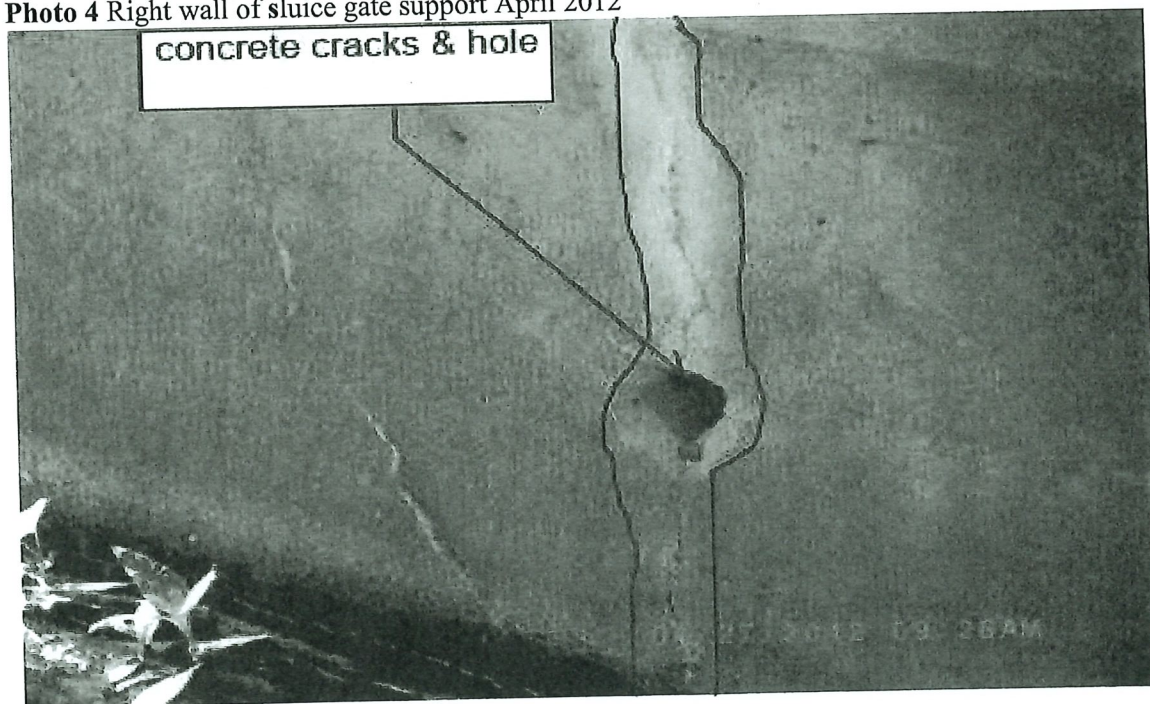


Photo 5 Sluice gate support December 2018



Photo 6 Left wing wall face

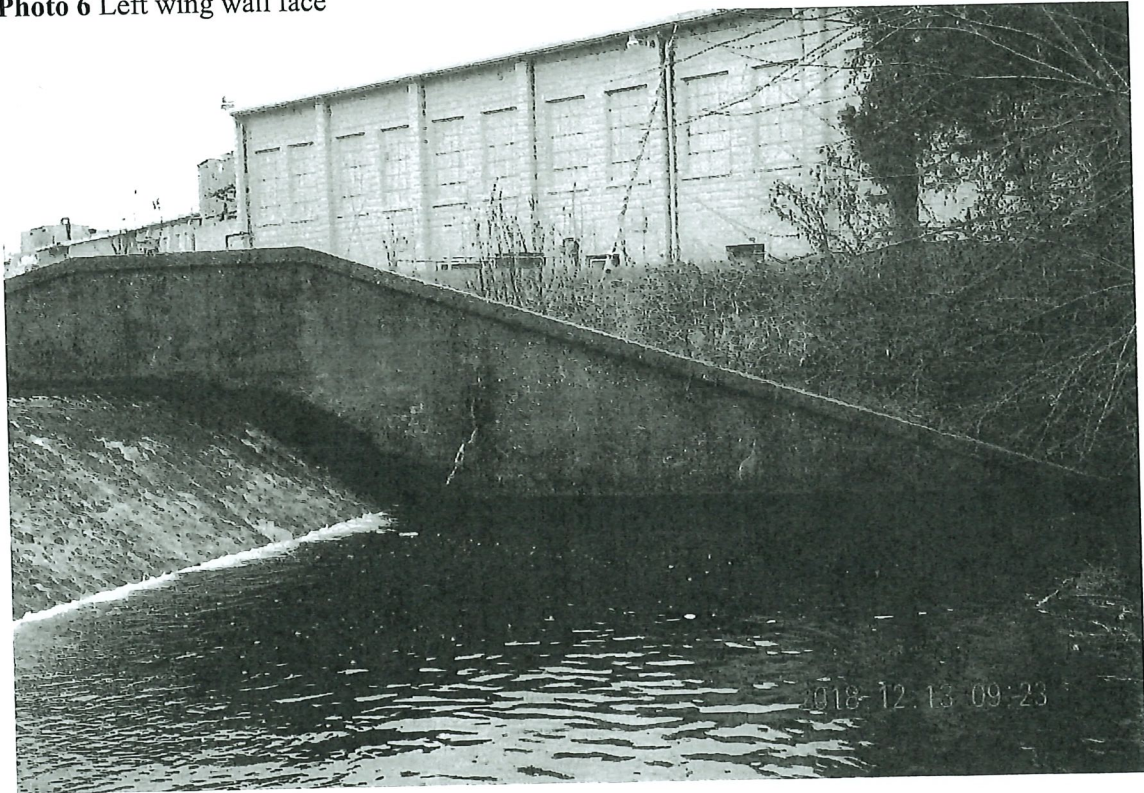


Photo 7 Back of left wing wall



Photo 8 Concrete principal spillway December 1987

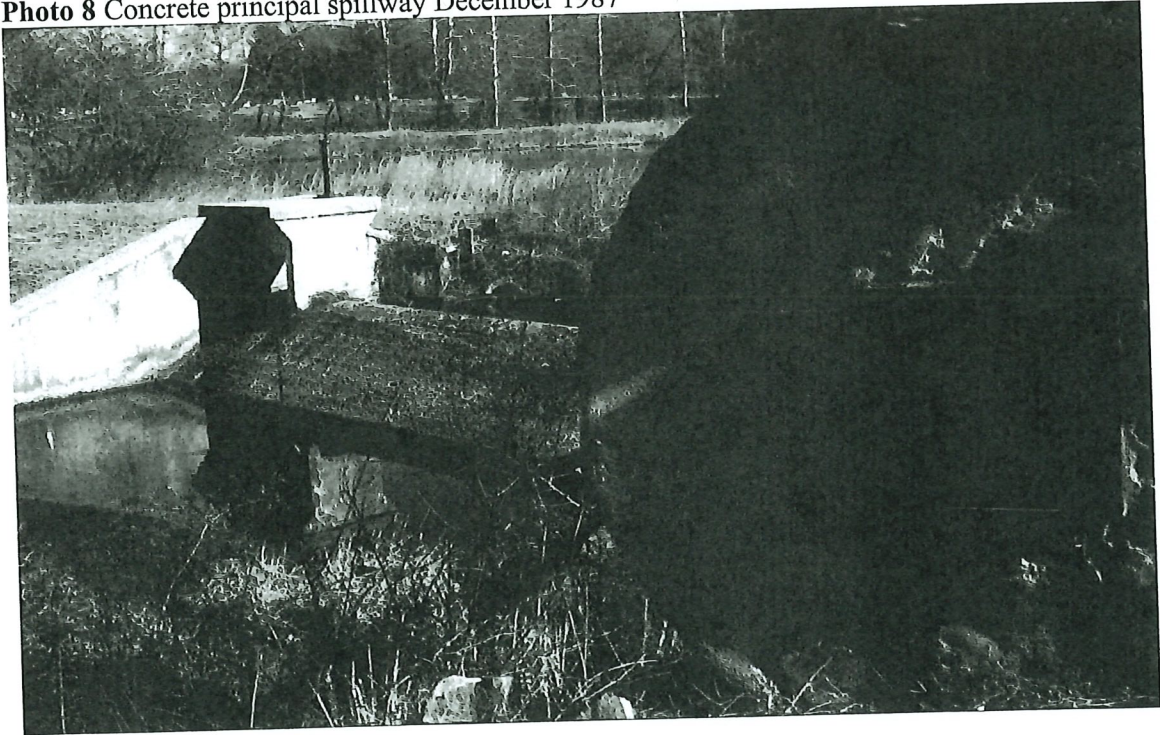
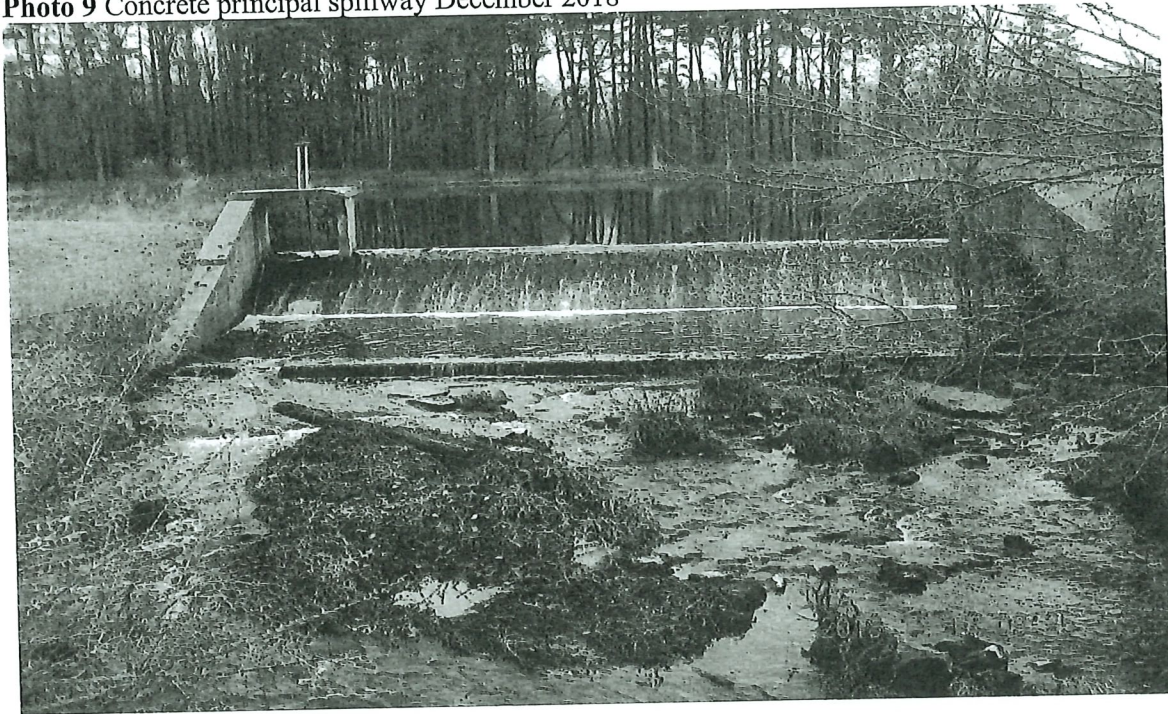


Photo 9 Concrete principal spillway December 2018



INSPECTION CHECKLIST

MD Dam Safety History and Inspection Checklist

(rev 9/2015)

Dam # 174 Chambers Lake, Federalsburg Dam, Chambers Lake

Date: December 13, 2018

Inspectors: KRF and ASR

Hazard Class: **SIGNIFICANT**

AI: 39023

EAP? **Yes**

EAP Date: **3/10/2011**

EAP Revised: **3/10/2011**

County: **Caroline**

ADC Map/Grid: **26/E5**

River **Tanyard Branch**

Drainage Area (sq mi): **5.30**

Lat / Long : **38.69635 N, 75.76424 W**

Surface Area (ac): **9.40**

Owner: **Shirley Greene
Town of Federalsburg
118 N Main Street
Federalsburg, MD 21632**

Operator: **Town of Federalsburg**

Phone: **(410) 754-8173**
Cell Phone: **410-829-8554**
Email: **shirley@federalsburg.org**

EMERGENCY CONTACT: Steve Dyott
Phone:
Cell Phone: **443-786-2727**
Email:

Confined space entry
permit needed?

Dam Type: **Earth**

Purpose: **Recreation**

Year built: **1937**

Dam Length: **390**

Modified: **1937**

Dam Height: **11**

Spillway width: **38**

Normal Depth: **4**

Spillway type: **Overflow-Channel or Weir**

MONITORING DEVICES:

Last Inspection: **12/13/2018**

Condition: **FAIR**

Assigned to: **ALX**

Cracking of left wingwall abutment and sluice gate spillway

Inspection Checklist:

Pool level at time of inspection: 21.5 ft at normal pool

- 1: US slope vegetation-grass, trees, etc.: Some tall grass and woody vegetation at waterline.
- 2: US slope alignment-slides, bulges, etc.: None apparent.
- 3: DS slope vegetation-grass, trees, etc.: Some woody vegetation at the left abutment and around the outfall.
- 4: DS slope-slumps, bulges, seepage, etc.: None apparent.
- 5: Crest vegetation-grass, trees, etc.: A few large diameter trees.
- 6: Crest alignment-settlement/design elev: Potentially loss of material behind the right abutment by erosion or settlement. The elevation may be a foot or so below the originally designed embankment elevation.
- 7: Cracking of fill-location/orientation:
- 8: Internal drains: left N/A right N/A
- 9: Principal spillway-alignment: Looks okay.
- 10: Principal spillway-leaks: Water flowing over top. Difficult to determine during flow conditions.
- 11: Princ spillway cond: spalling, rust, etc : From previous inspection during December 1987, pitting and deterioration of the principal spillway concrete.
- 12: Em spwy cond: Vegetation, Obstructions? N/A

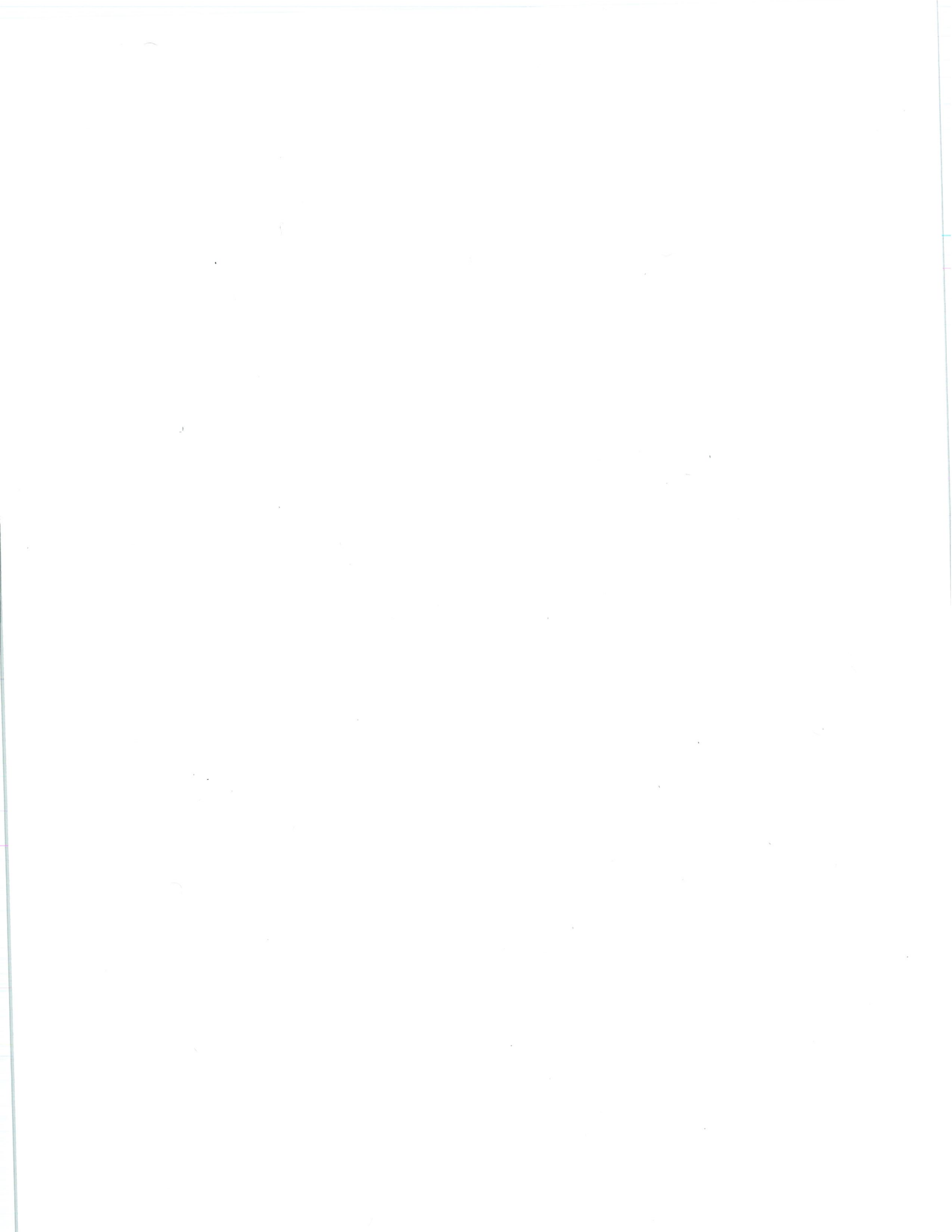
MD Dam Safety History and Inspection Checklist

(rev 9/2015)

- 13: Riprap: In fair condition. No downstream erosion laterally or vertically.
- 14: Plunge pool, impact basin: N/A
- 15: Animal burrows-location: None apparent.
- 16: Sluice Gate/Drain Gate/Outlet Works:
- 17: Condition of staff gage? No gage installed. Will request that a gage be installed as part of the report.
- 18: Warning signs, alarms, and/or buoys: No warning signs were apparent and there were no buoys near the principal spillway. Will advise installation of warning signs or buoys.
- 19: Security Features: None. Recreational use.
- 20: Overall Condition: Acceptable Very Good Fair Very Poor UNSAFE UNACCEPTABLE

Dam history and findings from previous

- > 1989/10/05 BWH- Dam found in fairly good condition with new aluminum drain gate installed this summer. New parking spaces added downstream of toe of dam.
- > 1995 GG-LEFT WING WALL SHOWED 1/2 IN CRACK AT THE CREST OF THE SPILLWAY, MUST BE REPAIRED.
- > 1996/07 BWH-embankment veg in good cond;cracks same as before; danger reach was surveyed.
- > 1999/07 BWH- New aluminum drain gate installed on concrete ogee spillway.
- > 1999/08/19 BWH-Fair to good cond. Monitor cracks in spillway wingwalls
- > 2000/01/18 BWH-Fair to good condition
- > 2004/11/10 BWH-Fair condition. Five vertical cracks in spillway about the same. Grass cover on embankment is poor but frequently mowed.
- > 2006/06/26 BWH-Eroded soil area next to right spillway wingwall. Also a portion of right wingwall at downstream end sustained some damage.
- > 2006/06/26 BWH-The dam held up to the large rainfall event about 10 inches in 12 hours with some damage.
- > 2007/05/30 BWH- Dam is in fair condition. Same cracks in concrete ogee spillway; new drain gate installed; heavy algae growth in reservoir.
- > 2008/06/27 BWH- Dam is in fair condition with concrete spillway cracks and some large trees. No obvious changes in concrete crack size.
- > 2009/01/16 BWH- Concrete spillway wingwalls and drain structure cracks are a little larger. Some bare soil areas on top of dam. Pool level normal.
- > 2012/04/27 BWH-Dam is in fair condition with 7 large trees on slopes & some bare soil on top. Ogee spillway wingwalls have cracks about 1/4 " or larger.
- > 2014/04/02 BWH- Dam is in fair condition with pool level normal. Cracks in concrete wingwalls on spillway is about the same. Embankment is mowed.
- > 2018/12/13 ASR KRF Fair condition. Some woody vegetation on left & right abutments and top of dam. Concrete deterioration. Drain gate exercised several times/ year. Asked owner for photographs. EAP out of date





Kelly Flint -MDE- <kelly.flint@maryland.gov>

Federalsburg Dam Repairs

Mon, Mar 8, 2021 at 9:20 PM

Kelly Flint -MDE- <kelly.flint@maryland.gov>

To: George Mayer <george@raucheng.com>, townmanager@federalsburg.com
 Cc: Sunita Boyle -MDE- <sunita.boyle@maryland.gov>, John Roche -MDE- <john.roche@maryland.gov>, Hal Van Aller -MDE- <hal.vanaller@maryland.gov>, Preeti Shrestha -MDE- <preeti.shrestha@maryland.gov>

Hi Mr. Mayer – The quick answer to your question of whether more funding is available is potentially. Currently, Dam Safety does not have a source of funding. Additional funding would need to be obtained from the original funding source through the Engineering and Capital Projects Program. The Engineering and Capital Projects Program would need a revised scope of work that includes a concept for each of the different repairs that are necessary at the dam and additional construction scope necessary to meet Dam Safety permit requirements.

The required repairs:

1. Repairing the cracks in the left and right abutments. Davis, Bowen & Friedel recommended that the cracks in the concrete be repaired by excavating behind the wingwalls and then pressure grouting the cracks, in a follow-up report to their 1993 inspection of the dam.
2. Replacing the wall and top slab providing support for the stem guide pedestal.
3. Removal of large diameter trees on the crest of the dam which must include removal of the root ball.
4. Removal of woody vegetation along the upstream toe of the dam and at the dam outfall within 15 feet of the structure.

Dam Safety permit requirements:

1. Engineering Plans
2. A professional engineer, experienced in dam design/construction is required to oversee the work done at the dam and to provide weekly construction inspection reports to Dam Safety
3. Preparation of as-built plans and construction documentation (material tickets, results of testing performed during construction) to be submitted to Dam Safety upon project completion

Dam Safety provided a Scope for Repairing Cracks in Concrete using Epoxy Injection in our February 8, 2021 Comment Letter.

The existing dimensions of the wall and top slab and specification of reinforcing rebar for strength may be sufficient as a scope for replacement in kind of these two items.

Dam Safety's 'Policy Memorandum #1 Maintenance and Repair: Trees and Woody Vegetation' details our requirements for removing large diameter trees and their root ball. This Policy may suffice as a scope for removal of large diameter trees.

The next step is to prepare the revised scope to submit to the Engineering and Capital Projects Program to determine if additional funding can be awarded. Everyone understands that this is a significant hazard dam with the potential to cause loss of life, damage property and/or interrupt the use of public utilities or roads. For this very reason, dam repairs must meet industry standards to ensure the structural stability of the dam.

Dam Safety is available as a resource as you prepare a revised scope of work that meets the requirements of the Engineering and Capital Projects Program.

Regards,



Kelly Flint, PE
Senior Engineer
Water and Science Administration
Maryland Department of the Environment
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[Click here to complete a three question customer experience survey.](#)

----- Forwarded message -----

From: **George Mayer** <george@raucheng.com>
Date: Wed, Feb 17, 2021 at 1:45 PM
Subject: Federalsburg Dam Repairs
To: <kelly.flint@maryland.gov>, Larry DiRe <townmanager@federalsburg.org>

[Quoted text hidden]



Kelly Flint -MDE- <kelly.flint@maryland.gov>

Federalsburg's Chambers Lake Dam Project

Thu, Mar 11, 2021 at 10:01 AM

Kelly Flint -MDE- <kelly.flint@maryland.gov>

To: George Mayer <george@raucheng.com>

Cc: John Roche -MDE- <john.roche@maryland.gov>, Hal Van Aller -MDE- <hal.vanaller@maryland.gov>

Hi George - DBF's report specified conceptually excavating behind the wingwalls and using pressure injection of epoxy (see attached). To get an adequate quote for the work that will be required for approval through Dam Safety, a more detailed plan will be required. I'm concerned that if only the concept of pressure injection by epoxy is specified to potential contractors, you may not receive a bid that covers the extent of the work that will be necessary. Please use the scope provided with the acknowledgement and comment letter or something similar. I would have the same concern for removal of large trees and the construction of the support wall and top slab for the valve pedestal. A structural engineer will need to provide specifications for the concrete to be used and for the supporting rebar. Testing of the concrete may be necessary during the construction. As mentioned in my previous email a professional engineer will need to observe the construction. All these costs should be accounted for in the scope. Dam Safety would like to see the Town receive the full construction funding necessary to complete repairs at the dam that meet the industry standard through the Capital Projects Program. We recommend providing a more detailed scope to qualified contractors and Capital Projects to receive the maximum amount of funding necessary/possible to complete the repairs. Regards, Kelly



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[Quoted text hidden]

[174,1993-12-03,Chambers Lake,DBF report.pdf](#)
48K



Kelly Flint -MDE- <kelly.flint@maryland.gov>

Chambers Lake Dam - Town of Federalsburg

Mon, Nov 8, 2021 at 11:04 AM

Kelly Flint -MDE- <kelly.flint@maryland.gov>
To: Larry DiRe <ldire@federalsburg.org>

Good Morning - When we last talked in June of this year, Rauch Engineering was planning to inspect the dam to observe its current condition. In addition, you had asked that I check whether the Town would still be responsible for matching a portion of funding received from the State. I did check in with MDE Capital Projects. The Town of Federalsburg would be responsible for matching a percentage of any funding received through the State or Federal governments. The Comprehensive Flood Management Grant requires a 25% match by Federalsburg. If Federalsburg receives federal funds then the State will provide 50% of Federalsburg's 25% match requirement. The Town would only be responsible for 12.5%., if it receives Federal funds. Loan funding is available through the State for the match portion. In addition, the failure of the dam would release significant amounts of sediments into nearby waterways. Repairing the dam to ensure that sediment is not released into nearby waterways qualifies the dam repairs for the Clean Water Revolving Fund (CWSRF). Since the dam is CWSRF eligible, it would therefore be ARPA eligible. It is up to the Town of Federalsburg to decide if it wants to use this funding source to minimize the amount that the Town must match.

Have you checked in with Cheryl Reilly or Jeffrey Fretwell of Capital Projects to get a status on whether the Town will receive additional funding for the Chambers Lake Dam repairs? And to get a status on when Capital Projects will know what projects have been awarded funding or additional funding?

Did Rauch Engineering complete an inspection of the dam? If so, what were their findings?

Regards, Kelly



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[Quoted text hidden]

Public Works Department Paved Road Inventory

February, 2017



Prepared by

H. Steve Dyott, Public Works Director

Paved Network Inventory

By Surface Status
2016 rsm

1/4/2017
10:39:19AM

<u>(Prio)_Road/Section Name</u>	<u>Sec</u>	<u>From Road/Section</u>	<u>To Road/Section</u>	<u>Length</u>	<u>division</u>	<u>Import</u>	<u>Traffic</u>	<u>Drainage Status</u>
No Maint								
(10) Academy Ave	1	S Main	Park Ave	0.07		high	high	Good
(10) Academy Ave	2	Park Ave	Holt Street	0.09		high	high	Good
(2) Academy Ave	3	Holt Street	Buena Vista Ave	0.07		low	low	Good
(2) Academy Ave	4	Buena Vista Ave	University Ave	0.18		low	low	Good
(2) Austin Ave	1	Smith Street	Penn Ave	0.10		low	low	Good
(2) Bloomingdale Ave	1	Old Denton Road	University Ave	0.32		low	low	Good
(2) Brown Rd	1	Bloomingdale Ave	Road end	0.13		low	low	Good
(2) Buena Vista Ave	1	W Central Ave	Maple Ave	0.10		low	low	Good
(2) Caroline Drive	1	RT 313	Rail Road Ave	0.40		low	low	Good
(2) Covey Williams Ally	1	Morris Ave	W Central Ave	0.07		low	low	Good
(2) E Central Ave	1	Main St	Reliance Ave	0.14		low	low	Good
(2) E Central Ave	2	Reliance Ave	Liberty Road	0.14		low	low	Good
(2) Frank Adams Ind Way	1	RT 318	Road end	0.33		low	low	Good
(2) Fulton Ct	1	Jacks Ln	Road end	0.06		low	low	Good
(2) Hargreaves Dr	1	University Ave	Road end	0.20		low	low	Good
(2) Hayman Dr	2	RT 313	Road end	0.07		low	low	Good
(2) Holland Dr	1	Laurel Grove Rd	Road end	0.09		low	low	Good
(2) Industrial Park Rd	1	Reliance Ave	Road end	0.72		low	low	Good
(2) Kerney St	1	Reliance Ave	Road end	0.08		low	low	Good
(2) Kinder St	1	Liberty Road	Road end	0.15		low	low	Good
(2) Laurel Grove Rd	1	Old Denton Road	RT 313	0.96		low	low	Good
(2) Liberty Road	1	E Central Ave	Chambers St	0.17		low	low	Good
(2) Liberty Road	2	Chambers St	Bernard Ave	0.16		low	low	Good
(2) Liberty Road	3	Bernard Ave	End Maintenance	0.19		low	low	Good
(2) Maple Ave	1	S Main St	Park Ave	0.07		low	low	Good
(2) Maple Ave	2	Park Ave	Buena Vista Ave	0.14		low	low	Good
(2) Marina Rd	1	S Main St	Road end	0.15		low	low	Good
(2) N Main St	1	Central Ave	Morris Ave	0.07		low	low	Good
(2) N Main St	2	Morris Ave	Greenridge Rd	0.10		low	low	Good
(2) N Main St	3	Greenridge Rd	Old Denton Road	0.15		low	low	Good
(2) N Main St	1	N Main St	Laurel Grove Rd	0.24		low	low	Good
(2) Old Denton Road	1	Maple Ave	Academy Ave	0.08		low	low	Good
(2) Park Ave	1							

1/4/2017
10:39:19AM

Paved Network Inventory

By Surface Status
2016 rsm

<u>(Prio) Road/Section Name</u>	<u>Sec</u>	<u>From Road/Section</u>	<u>To Road/Section</u>	<u>Length</u>	<u>division</u>	<u>Import</u>	<u>Traffic</u>	<u>Drainage Status</u>
No Maint								
(2) Park Ave	2	Academy Ave	Rail Road Ave	0.14		low	low	Good
(2) Park Ln	1	N Main St	Vesper Ave	0.08		low	low	Good
(2) Park Ln	2	Vesper Ave	Greenridge Rd	0.07		low	low	Good
(2) Penn Ave	1	Austin Ave	Road end	0.06		low	low	Good
(2) Rail Road Ave	1	S Main St	Park Ave	0.07		low	low	Good
(2) Rail Road Ave	2	Park Ave	Buena Vista Ave	0.19		low	low	Good
(2) Rail Road Ave	3	Buena Vista Ave	University Ave	0.16		low	low	Good
(2) Rail Road Ave	4	University Ave	Charles Street	0.10		low	low	Good
(2) Rail Road Ave	1	E Central Ave	Chambers St	0.14		low	low	Good
(2) Reliance Ave	2	Chambers St	Kerney St	0.19		low	low	Good
(2) Reliance Ave	1	S Main St	S Main St	0.26		low	low	Good
(2) River Rd	1	Central Ave	Maple Ave	0.07		low	low	Good
(2) S Main St	1	Maple Ave	Academy Ave	0.10		low	low	Good
(2) S Main St	2	Academy Ave	Rail Road Ave	0.13		low	low	Good
(2) S Main St	3	Rail Road Ave	River Rd	0.28		low	low	Good
(2) S Main St	4	Austin Ave	Dirt Rd	0.09		low	low	Good
(2) Smith Street	2	Bloomingdale Ave	Vesper Ave	0.17		low	low	Good
(2) University Ave	1	Vesper Ave	Greenridge Rd	0.07		low	low	Good
(2) University Ave	2	Greenridge Rd	Morris Ave	0.07		low	low	Good
(2) University Ave	3	Morris Ave	W Central Ave	0.07		low	low	Good
(2) University Ave	4	W Central Ave	Maple Ave	0.07		low	low	Good
(2) University Ave	5	Maple Ave	Academy Ave	0.07		low	low	Good
(2) University Ave	6	Academy Ave	Rail Road Ave	0.19		low	low	Good
(2) University Ave	7	Bloomingdale Ave	Hargreaves Dr	0.19		low	low	Good
(2) University Ave	8	Park Ln	Vernon Ave	0.13		low	low	Good
(2) Vesper Ave	1	Vernon Ave	University Ave	0.14		low	low	Good
(2) Vesper Ave	2	Main St	Park Ln	0.14		low	low	Good
(2) W Central Ave	1	Park Ln	Vernon Ave	0.13		low	low	Good
(2) W Central Ave	2	Vernon Ave	University Ave	0.14		low	low	Good
(2) W Central Ave	3	Charles Street	Tligham Ave	0.14		low	low	Good
(2) W Central Ave	5			0.13		low	low	Good
				9.83				

1/4/2017
10:39:19AM

Paved Network Inventory

By Surface Status
2016 rsms

<u>(Prio) Road/Section Name</u>	<u>Sec</u>	<u>From Road/Section</u>	<u>To Road/Section</u>	<u>Length</u>	<u>division</u>	<u>Import</u>	<u>Traffic</u>	<u>Drainage Status</u>
Routine								
(2) Academy Ave	5	University Ave	Charles Street	0.10		low	low	Good
(2) Bernard Ave	1	Liberty Road	Charlotte Ave	0.06		low	low	Good
(2) Bernard Ave	2	Charlotte Ave	Road end	0.10		low	low	Good
(2) Buena Vista Ave	2	Maple Ave	Academy Ave	0.09		low	low	Good
(2) Buena Vista Ave	3	Academy Ave	Rail Road Ave	0.17		low	low	Good
(2) Chambers St	1	Reliance Ave	Liberty Road	0.19		low	low	Good
(2) Charles Street	2	Academy Ave	Rail Road Ave	0.20		low	low	Good
(2) Charlotte Ave	1	Excelsior Ave	Bernard Ave	0.07		low	low	Good
(2) Hayman Dr	1	Bloomingdale Ave	Road end	0.11		low	low	Good
(2) Jacks Ln	1	Tilghman Ave	Road end	0.18		low	low	Good
(2) Pebble St	1	Tilghman Ave	Academy Ave	0.08		low	low	Good
(2) Smith Street	1	River Rd	Austin Ave	0.10		low	low	Good
(2) Tilghman Ave	1	W Central Ave	Road end	0.14		low	low	Good
(2) Vernon Ave	1	W Central Ave	Morris Ave	0.07		low	low	Good
(2) Vernon Ave	2	Morris Ave	Greenridge Rd	0.07		low	low	Good
(2) Vernon Ave	3	Greenridge Rd	Vesper Ave	0.07		low	low	Good
(2) W Central Ave	4	University Ave	Charles Street	0.10		low	low	Good
				1.90				
Preventive								
(2) Excelsior Ave	1	Liberty Road	Charlotte Ave	0.06		low	low	Good
(2) Morris Ave	1	N Main St	Park Ln	0.14		low	low	Good
(2) Morris Ave	3	Vernon Ave	University Ave	0.14		low	low	Good
(2) Park Ln	3	Greenridge Rd	Morris Ave	0.08		low	low	Good
(2) Park Ln	4	Morris Ave	W Central Ave	0.07		low	low	Good
(2) Park Ln	5	W Central Ave	Buena Vista Ave	0.07		low	low	Good
(2) Reliance Ave	3	Kerney St	RT 313	0.17		low	low	Good
				0.73				

1/4/2017
10:39:19AM

Paved Network Inventory

By Surface Status
2016 rsms

<u>(Prio) Road/Section Name</u>	<u>Sec</u>	<u>From Road/Section</u>	<u>To Road/Section</u>	<u>Length</u>	<u>division</u>	<u>Import</u>	<u>Traffic</u>	<u>Drainage Status</u>
Rehabilitate								
(2) Brooklyn Ave	1	Girardi Blvd	Interfaith Ave	0.36		low	low	Good
(2) E Central Ave	3	Liberty Road	Girardi Blvd	0.29		low	low	Good
(2) Girardi Blvd	1	E Central Ave	Brooklyn Ave	0.28		low	low	Good
(2) Maple Ave	3	Buena Vista Ave	University Ave	0.20		low	low	Good
(2) Morris Ave	2	Park Ln	Vernon Ave	0.13		low	low	Good
				<u>1.26</u>				
Reconstruct								
(2) Chambers St	2	Liberty Road	E Central Ave	0.40		low	low	Good
(2) Greenridge Rd	1	N Main St	Park Ln	0.11		low	low	Good
(2) Greenridge Rd	2	Park Ln	Vernon Ave	0.13		low	low	Good
(2) Greenridge Rd	3	Vernon Ave	University Ave	0.14		low	low	Good
(2) Holt Street	1	Academy Ave	Rail Road Ave	0.15		low	low	Good
				<u>0.93</u>				
				<u>14.65</u>				

Wor St first

Road Network Inventory

1/4/2017
10:49:00AM

Analysis Report
2016 rsm

Road/Section Name	Sec	From Road/Section	To Road/Section	Surface	Length	Division	Surface Status	Drainage status
Chambers St	2	Liberty Road	E Central Ave	Paved	0.40		Reconstruct-2	Good-2
Greenridge Rd	1	N Main St	Park Ln	Paved	0.11		Reconstruct-2	Good-2
Greenridge Rd	2	Park Ln	Vernon Ave	Paved	0.13		Reconstruct-2	Good-2
Greenridge Rd	3	Vernon Ave	University Ave	Paved	0.14		Reconstruct-2	Good-2
Holt Street	1	Academy Ave	Rail Road Ave	Paved	0.15		Reconstruct-2	Good-2
Brooklyn Ave	1	Girardi Blvd	Interfaith Ave	Paved	0.36		Rehabilitate-2	Good-2
E Central Ave	3	Liberty Road	Girardi Blvd	Paved	0.29		Rehabilitate-2	Good-2
Girardi Blvd	1	E Central Ave	Brooklyn Ave	Paved	0.28		Rehabilitate-2	Good-2
Maple Ave	3	Buena Vista Ave	University Ave	Paved	0.20		Rehabilitate-2	Good-2
Morris Ave	2	Park Ln	Vernon Ave	Paved	0.13		Rehabilitate-2	Good-2
Excelsior Ave	1	Liberty Road	Charlotte Ave	Paved	0.06		Preventive-2	Good-2
Morris Ave	1	N Main St	Park Ln	Paved	0.14		Preventive-2	Good-2
Morris Ave	3	Vernon Ave	University Ave	Paved	0.14		Preventive-2	Good-2
Park Ln	3	Greenridge Rd	Morris Ave	Paved	0.08		Preventive-2	Good-2
Park Ln	4	Morris Ave	W Central Ave	Paved	0.07		Preventive-2	Good-2
Park Ln	5	W Central Ave	Buena Vista Ave	Paved	0.07		Preventive-2	Good-2
Reliance Ave	3	Kerney St	RT 313	Paved	0.17		Preventive-2	Good-2
Academy Ave	5	University Ave	Charles Street	Paved	0.10		Routine-2	Good-2
Bernard Ave	1	Liberty Road	Charlotte Ave	Paved	0.06		Routine-2	Good-2
Bernard Ave	2	Charlotte Ave	Road end	Paved	0.10		Routine-2	Good-2
Buena Vista Ave	2	Maple Ave	Academy Ave	Paved	0.09		Routine-2	Good-2
Buena Vista Ave	3	Academy Ave	Rail Road Ave	Paved	0.17		Routine-2	Good-2
Chambers St	1	Reliance Ave	Liberty Road	Paved	0.19		Routine-2	Good-2
Charles Street	2	Academy Ave	Rail Road Ave	Paved	0.20		Routine-2	Good-2
Charlotte Ave	1	Excelsior Ave	Bernard Ave	Paved	0.07		Routine-2	Good-2
Hayman Dr	1	Bloomingdale Ave	Road end	Paved	0.11		Routine-2	Good-2
Jacks Ln	1	Tilghman Ave	Road end	Paved	0.18		Routine-2	Good-2

Road Network Inventory

Analysis Report

2016 rsms

1/4/2017
10:49:00AM

<u>Road/Section Name</u>	<u>Sec</u>	<u>From Road/Section</u>	<u>To Road/Section</u>	<u>Surface</u>	<u>Length</u>	<u>Division</u>	<u>Surface Status</u>	<u>Drainage status</u>
Pebble St	1	Tilghman Ave	Academy Ave	Paved	0.08		Routine-2	Good-2
Smith Street	1	River Rd	Austin Ave	Paved	0.10		Routine-2	Good-2
Tilghman Ave	1	W Central Ave	Road end	Paved	0.14		Routine-2	Good-2
Vernon Ave	1	W Central Ave	Morris Ave	Paved	0.07		Routine-2	Good-2
Vernon Ave	2	Morris Ave	Greenridge Rd	Paved	0.07		Routine-2	Good-2
Vernon Ave	3	Greenridge Rd	Vesper Ave	Paved	0.07		Routine-2	Good-2
W Central Ave	4	University Ave	Charles Street	Paved	0.10		Routine-2	Good-2
Academy Ave	1	S Main	Park Ave	Paved	0.07		No Maint-10	Good-10
Academy Ave	2	Park Ave	Holt Street	Paved	0.09		No Maint-10	Good-10
Academy Ave	3	Holt Street	Buena Vista Ave	Paved	0.07		No Maint-2	Good-2
Academy Ave	4	Buena Vista Ave	University Ave	Paved	0.18		No Maint-2	Good-2
Austin Ave	1	Smith Street	Penn Ave	Paved	0.10		No Maint-2	Good-2
Bloomingdale Ave	1	Old Denton Road	University Ave	Paved	0.32		No Maint-2	Good-2
Brown Rd	1	Bloomingdale Ave	Road end	Paved	0.13		No Maint-2	Good-2
Buena Vista Ave	1	W Central Ave	Maple Ave	Paved	0.10		No Maint-2	Good-2
Caroline Drive	1	RT 313	Rail Road Ave	Paved	0.40		No Maint-2	Good-2
Covey Williams Ally	1	Morris Ave	W Central Ave	Paved	0.07		No Maint-2	Good-2
E Central Ave	1	Main St	Reliance Ave	Paved	0.14		No Maint-2	Good-2
E Central Ave	2	Reliance Ave	Liberty Road	Paved	0.14		No Maint-2	Good-2
Frank Adams Ind Way	1	RT 318	Road end	Paved	0.33		No Maint-2	Good-2
Fulton Ct	1	Jacks Ln	Road end	Paved	0.06		No Maint-2	Good-2
Hargreaves Dr	1	University Ave	Road end	Paved	0.20		No Maint-2	Good-2
Hayman Dr	2	RT 313	Road end	Paved	0.07		No Maint-2	Good-2
Holland Dr	1	Laurel Grove Rd	Road end	Paved	0.09		No Maint-2	Good-2
Industrial Park Rd	1	Reliance Ave	Road end	Paved	0.72		No Maint-2	Good-2
Kerney St	1	Reliance Ave	Road end	Paved	0.08		No Maint-2	Good-2
Kinder St	1	Liberty Road	Road end	Paved	0.15		No Maint-2	Good-2

Road Network Inventory

Analysis Report

2016 rsms

1/4/2017
10:49:00AM

<u>Road/Section Name</u>	<u>Sec</u>	<u>From Road/Section</u>	<u>To Road/Section</u>	<u>Surface</u>	<u>Length</u>	<u>Division</u>	<u>Surface Status</u>	<u>Drainage status</u>
Laurel Grove Rd	1	Old Denton Road	RT 313	Paved	0.96		No Maint-2	Good-2
Liberty Road	1	E Central Ave	Chambers St	Paved	0.17		No Maint-2	Good-2
Liberty Road	2	Chambers St	Bernard Ave	Paved	0.16		No Maint-2	Good-2
Liberty Road	3	Bernard Ave	End Maintenance	Paved	0.19		No Maint-2	Good-2
Maple Ave	1	S Main St	Park Ave	Paved	0.07		No Maint-2	Good-2
Maple Ave	2	Park Ave	Buena Vista Ave	Paved	0.14		No Maint-2	Good-2
Marina Rd	1	S Main St	Road end	Paved	0.15		No Maint-2	Good-2
N Main St	1	Central Ave	Morris Ave	Paved	0.07		No Maint-2	Good-2
N Main St	2	Morris Ave	Greenridge Rd	Paved	0.10		No Maint-2	Good-2
N Main St	3	Greenridge Rd	Old Denton Road	Paved	0.15		No Maint-2	Good-2
Old Denton Road	1	N Main St	Laurel Grove Rd	Paved	0.24		No Maint-2	Good-2
Park Ave	1	Maple Ave	Academy Ave	Paved	0.08		No Maint-2	Good-2
Park Ave	2	Academy Ave	Rail Road Ave	Paved	0.14		No Maint-2	Good-2
Park Ln	1	N Main St	Vesper Ave	Paved	0.08		No Maint-2	Good-2
Park Ln	2	Vesper Ave	Greenridge Rd	Paved	0.07		No Maint-2	Good-2
Penn Ave	1	Austin Ave	Road end	Paved	0.06		No Maint-2	Good-2
Rail Road Ave	1	S Main St	Park Ave	Paved	0.07		No Maint-2	Good-2
Rail Road Ave	2	Park Ave	Buena Vista Ave	Paved	0.19		No Maint-2	Good-2
Rail Road Ave	3	Buena Vista Ave	University Ave	Paved	0.16		No Maint-2	Good-2
Rail Road Ave	4	University Ave	Charles Street	Paved	0.10		No Maint-2	Good-2
Reliance Ave	1	E Central Ave	Chambers St	Paved	0.14		No Maint-2	Good-2
Reliance Ave	2	Chambers St	Kerney St	Paved	0.19		No Maint-2	Good-2
River Rd	1	S Main St	S Main St	Paved	0.26		No Maint-2	Good-2
S Main St	1	Central Ave	Maple Ave	Paved	0.07		No Maint-2	Good-2
S Main St	2	Maple Ave	Academy Ave	Paved	0.10		No Maint-2	Good-2
S Main St	3	Academy Ave	Rail Road Ave	Paved	0.13		No Maint-2	Good-2
S Main St	4	Rail Road Ave	River Rd	Paved	0.28		No Maint-2	Good-2

Road Network Inventory

Analysis Report

2016 rsms

1/4/2017
10:49:00AM

<u>Road/Section Name</u>	<u>Sec</u>	<u>From Road/Section</u>	<u>To Road/Section</u>	<u>Surface</u>	<u>Length</u>	<u>Division</u>	<u>Surface Status</u>	<u>Drainage status</u>
Smith Street	2	Austin Ave	Dirt Rd	Paved	0.09		No Maint-2	Good-2
University Ave	1	Bloomingdale Ave	Vesper Ave	Paved	0.17		No Maint-2	Good-2
University Ave	2	Vesper Ave	Greenridge Rd	Paved	0.07		No Maint-2	Good-2
University Ave	3	Greenridge Rd	Morris Ave	Paved	0.07		No Maint-2	Good-2
University Ave	4	Morris Ave	W Central Ave	Paved	0.07		No Maint-2	Good-2
University Ave	5	W Central Ave	Maple Ave	Paved	0.07		No Maint-2	Good-2
University Ave	6	Maple Ave	Academy Ave	Paved	0.07		No Maint-2	Good-2
University Ave	7	Academy Ave	Rail Road Ave	Paved	0.19		No Maint-2	Good-2
University Ave	8	Bloomingdale Ave	Hargreaves Dr	Paved	0.19		No Maint-2	Good-2
Vesper Ave	1	Park Ln	Vernon Ave	Paved	0.13		No Maint-2	Good-2
Vesper Ave	2	Vernon Ave	University Ave	Paved	0.14		No Maint-2	Good-2
W Central Ave	1	Main St	Park Ln	Paved	0.14		No Maint-2	Good-2
W Central Ave	2	Park Ln	Vernon Ave	Paved	0.13		No Maint-2	Good-2
W Central Ave	3	Vernon Ave	University Ave	Paved	0.14		No Maint-2	Good-2
W Central Ave	5	Charles Street	Tilghman Ave	Paved	0.13		No Maint-2	Good-2
Charles Street	1	W Central Ave	Academy Ave	Gravel	0.14		Routine-2	Good-2
Smith Street	3	Dirt Rd	Road end	Gravel	0.24		Routine-2	Good-2
					15.03			

1/4/2017
10:28:09AM

Costed Repair Options

2016 rsms

Academy Ave-5 [Paved] From: University Ave To: Charles Street (Length: 0.10mi., Width: 27.00ft.)

	<u>Estimated Cost</u>
Surface Status: Routine -2	
Patching (S)	\$ 135
Crack seal (S)	\$ 1,350
Resurface 2" (L)	\$ 13,500

Bernard Ave-1 [Paved] From: Liberty Road To: Charlotte Ave (Length: 0.06mi., Width: 34.00ft.)

	<u>Estimated Cost</u>
Surface Status: Routine -2	
Patching (S)	\$ 102
Crack seal (S)	\$ 1,020
Resurface 2" (L)	\$ 10,200

Bernard Ave-2 [Paved] From: Charlotte Ave To: Road end (Length: 0.10mi., Width: 30.00ft.)

	<u>Estimated Cost</u>
Surface Status: Routine -2	
Patching (S)	\$ 150
Crack seal (S)	\$ 1,500
Resurface 2" (L)	\$ 15,000

Brooklyn Ave-1 [Paved] From: Girardi Blvd To: Interfaith Ave (Length: 0.36mi., Width: 23.00ft.)

	<u>Estimated Cost</u>
Surface Status: Rehabilitate-2	
Reclaim pavement, revert to gravel (S)	\$ 8,280
Shim w/ 2" overlay (S)	\$ 53,820
Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$ 82,800
PM RAP reclamation (S)	\$ 101,430
Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface	\$ 101,430

Buena Vista Ave-2 [Paved] From: Maple Ave To: Academy Ave (Length: 0.09mi., Width: 36.00ft.)

	<u>Estimated Cost</u>
Surface Status: Routine -2	
Patching (S)	\$ 162
Crack seal (S)	\$ 1,620
Resurface 2" (L)	\$ 16,200

Buena Vista Ave-3 [Paved] From: Academy Ave To: Rail Road Ave (Length: 0.17mi., Width: 26.00ft.)

	<u>Estimated Cost</u>
Surface Status: Routine -2	
Patching (S)	\$ 221
Crack seal (S)	\$ 2,210
Resurface 2" (L)	\$ 22,100

Chambers St-1 [Paved] From: Reliance Ave To: Liberty Road (Length: 0.19mi., Width: 19.00ft.)

	<u>Estimated Cost</u>
Surface Status: Routine -2	
Patching (S)	\$ 181
Crack seal (S)	\$ 1,805
Resurface 2" (L)	\$ 18,050

Costed Repair Options

2016 rsms

Chambers St-2 [Paved] From: Liberty Road To: E Central Ave (Length: 0.40mi., Width: 19.00ft.)

Surface Status: Reconstruct -2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 7,600
18" new 9.5mm gravel, 2" binder, 1" surface (S)	\$ 85,500
24" new gravel, 2" binder, 2" surface (S)	\$ 114,000

Charles Street-1 [Gravel] From: W Central Ave To: Academy Ave (Length: 0.14mi., Width: 18.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Add gravel (up to 4") (S)	\$ 0
Routine grading (S)	\$ 0
Spot grading/blading (S)	\$ 0
Dust control (S)	\$ 0
Drainage Status: Good -2	<u>Estimated Cost</u>
Minor ditching (S)	\$ 0

Charles Street-2 [Paved] From: Academy Ave To: Rail Road Ave (Length: 0.20mi., Width: 18.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 180
Crack seal (S)	\$ 1,800
Resurface 2" (L)	\$ 18,000

Charlotte Ave-1 [Paved] From: Excelsior Ave To: Bernard Ave (Length: 0.07mi., Width: 44.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 154
Crack seal (S)	\$ 1,540
Resurface 2" (L)	\$ 15,400

E Central Ave-3 [Paved] From: Liberty Road To: Girardi Blvd (Length: 0.29mi., Width: 21.00ft.)

Surface Status: Rehabilitate-2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 6,090
Shim w/ 2" overlay (S)	\$ 39,585
Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$ 60,900
PM RAP reclamation (S)	\$ 74,603
Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface	\$ 74,603

Excelsior Ave-1 [Paved] From: Liberty Road To: Charlotte Ave (Length: 0.06mi., Width: 28.00ft.)

Surface Status: Preventive -2	<u>Estimated Cost</u>
Sand seal (S)	\$ 1,344
Chip seal (latex modified) (S)	\$ 2,100
Thin (3/4 - 1") overlay (S)	\$ 3,360
Shim with 1" overlay (S)	\$ 5,460
Thick (> 1") overlay (S)	\$ 6,048
Overlay w/ 2" cold mix, top w/ 1" HMA (S)	\$ 9,828
Mill and Fill 1.25" (S)	\$ 10,500

Costed Repair Options

2016 rsms

Girardi Blvd-1 [Paved] From: E Central Ave To: Brooklyn Ave (Length: 0.28mi., Width: 28.00ft.)

Surface Status: Rehabilitate-2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 7,840
Shim w/ 2" overlay (S)	\$ 50,960
Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$ 78,400
Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface	\$ 96,040
PM RAP reclamation (S)	\$ 96,040

Greenridge Rd-1 [Paved] From: N Main St To: Park Ln (Length: 0.11mi., Width: 30.00ft.)

Surface Status: Reconstruct -2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 3,300
18" new 9.5mm gravel, 2" binder, 1"surface (S)	\$ 37,125
24" new gravel, 2" binder, 2" surface (S)	\$ 49,500

Greenridge Rd-2 [Paved] From: Park Ln To: Vernon Ave (Length: 0.13mi., Width: 27.00ft.)

Surface Status: Reconstruct -2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 3,510
18" new 9.5mm gravel, 2" binder, 1"surface (S)	\$ 39,488
24" new gravel, 2" binder, 2" surface (S)	\$ 52,650

Greenridge Rd-3 [Paved] From: Vernon Ave To: University Ave (Length: 0.14mi., Width: 27.00ft.)

Surface Status: Reconstruct -2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 3,780
18" new 9.5mm gravel, 2" binder, 1"surface (S)	\$ 42,525
24" new gravel, 2" binder, 2" surface (S)	\$ 56,700

Hayman Dr-1 [Paved] From: Bloomingdale Ave To: Road end (Length: 0.11mi., Width: 36.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 198
Crack seal (S)	\$ 1,980
Resurface 2" (L)	\$ 19,800

Holt Street-1 [Paved] From: Academy Ave To: Rail Road Ave (Length: 0.15mi., Width: 28.00ft.)

Surface Status: Reconstruct -2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 4,200
18" new 9.5mm gravel, 2" binder, 1"surface (S)	\$ 47,250
24" new gravel, 2" binder, 2" surface (S)	\$ 63,000

Jacks Ln-1 [Paved] From: Tilghman Ave To: Road end (Length: 0.18mi., Width: 26.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 234
Crack seal (S)	\$ 2,340
Resurface 2" (L)	\$ 23,400

Costed Repair Options

2016 rsms

Maple Ave-3 [Paved] From: Buena Vista Ave To: University Ave (Length: 0.20mi., Width: 23.00ft.)

Surface Status: Rehabilitate-2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 4,600
Shim w/ 2" overlay (S)	\$ 29,900
Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$ 46,000
PM RAP reclamation (S)	\$ 56,350
Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface	\$ 56,350

Morris Ave-1 [Paved] From: N Main St To: Park Ln (Length: 0.14mi., Width: 31.00ft.)

Surface Status: Preventive -2	<u>Estimated Cost</u>
Sand seal (S)	\$ 3,472
Chip seal (latex modified) (S)	\$ 5,425
Thin (3/4 - 1") overlay (S)	\$ 8,680
Shim with 1" overlay (S)	\$ 14,105
Thick (> 1") overlay (S)	\$ 15,624
Overlay w/ 2" cold mix, top w/ 1" HMA (S)	\$ 25,389
Mill and Fill 1.25" (S)	\$ 27,125

Morris Ave-2 [Paved] From: Park Ln To: Vernon Ave (Length: 0.13mi., Width: 30.00ft.)

Surface Status: Rehabilitate-2	<u>Estimated Cost</u>
Reclaim pavement, revert to gravel (S)	\$ 3,900
Shim w/ 2" overlay (S)	\$ 25,350
Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$ 39,000
PM RAP reclamation (S)	\$ 47,775
Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface	\$ 47,775

Morris Ave-3 [Paved] From: Vernon Ave To: University Ave (Length: 0.14mi., Width: 30.00ft.)

Surface Status: Preventive -2	<u>Estimated Cost</u>
Sand seal (S)	\$ 3,360
Chip seal (latex modified) (S)	\$ 5,250
Thin (3/4 - 1") overlay (S)	\$ 8,400
Shim with 1" overlay (S)	\$ 13,650
Thick (> 1") overlay (S)	\$ 15,120
Overlay w/ 2" cold mix, top w/ 1" HMA (S)	\$ 24,570
Mill and Fill 1.25" (S)	\$ 26,250

Park Ln-3 [Paved] From: Greenridge Rd To: Morris Ave (Length: 0.08mi., Width: 27.00ft.)

Surface Status: Preventive -2	<u>Estimated Cost</u>
Sand seal (S)	\$ 1,728
Chip seal (latex modified) (S)	\$ 2,700
Thin (3/4 - 1") overlay (S)	\$ 4,320
Shim with 1" overlay (S)	\$ 7,020
Thick (> 1") overlay (S)	\$ 7,776
Overlay w/ 2" cold mix, top w/ 1" HMA (S)	\$ 12,636
Mill and Fill 1.25" (S)	\$ 13,500

Costed Repair Options

2016 rsm

Park Ln-4 [Paved] From: Morris Ave To: W Central Ave (Length: 0.07mi., Width: 31.00ft.)

Surface Status: Preventive -2	<u>Estimated Cost</u>
Sand seal (S)	\$ 1,736
Chip seal (latex modified) (S)	\$ 2,713
Thin (3/4 - 1") overlay (S)	\$ 4,340
Shim with 1" overlay (S)	\$ 7,053
Thick (> 1") overlay (S)	\$ 7,812
Overlay w/ 2" cold mix, top w/ 1" HMA (S)	\$ 12,695
Mill and Fill 1.25" (S)	\$ 13,563

Park Ln-5 [Paved] From: W Central Ave To: Buena Vista Ave (Length: 0.07mi., Width: 25.00ft.)

Surface Status: Preventive -2	<u>Estimated Cost</u>
Sand seal (S)	\$ 1,400
Chip seal (latex modified) (S)	\$ 2,188
Thin (3/4 - 1") overlay (S)	\$ 3,500
Shim with 1" overlay (S)	\$ 5,688
Thick (> 1") overlay (S)	\$ 6,300
Overlay w/ 2" cold mix, top w/ 1" HMA (S)	\$ 10,238
Mill and Fill 1.25" (S)	\$ 10,938

Pebble St-1 [Paved] From: Tilghman Ave To: Academy Ave (Length: 0.08mi., Width: 23.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 92
Crack seal (S)	\$ 920
Resurface 2" (L)	\$ 9,200

Reliance Ave-3 [Paved] From: Kerney St To: RT 313 (Length: 0.17mi., Width: 23.00ft.)

Surface Status: Preventive -2	<u>Estimated Cost</u>
Sand seal (S)	\$ 3,128
Chip seal (latex modified) (S)	\$ 4,888
Thin (3/4 - 1") overlay (S)	\$ 7,820
Shim with 1" overlay (S)	\$ 12,708
Thick (> 1") overlay (S)	\$ 14,076
Overlay w/ 2" cold mix, top w/ 1" HMA (S)	\$ 22,874
Mill and Fill 1.25" (S)	\$ 24,438

Smith Street-1 [Paved] From: River Rd To: Austin Ave (Length: 0.10mi., Width: 26.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 130
Crack seal (S)	\$ 1,300
Resurface 2" (L)	\$ 13,000

Smith Street-3 [Gravel] From: Dirt Rd To: Road end (Length: 0.24mi., Width: 16.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Dust control (S)	\$ 0
Add gravel (up to 4") (S)	\$ 0
Routine grading (S)	\$ 0
Spot grading/blading (S)	\$ 0
Drainage Status: Good -2	<u>Estimated Cost</u>
Minor ditching (S)	\$ 0

Costed Repair Options

2016 rsm

Tilghman Ave-1 [Paved] From: W Central Ave To: Road end (Length: 0.14mi., Width: 26.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 182
Crack seal (S)	\$ 1,820
Resurface 2" (L)	\$ 18,200

Vernon Ave-1 [Paved] From: W Central Ave To: Morris Ave (Length: 0.07mi., Width: 30.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 105
Crack seal (S)	\$ 1,050
Resurface 2" (L)	\$ 10,500

Vernon Ave-2 [Paved] From: Morris Ave To: Greenridge Rd (Length: 0.07mi., Width: 20.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 70
Crack seal (S)	\$ 700
Resurface 2" (L)	\$ 7,000

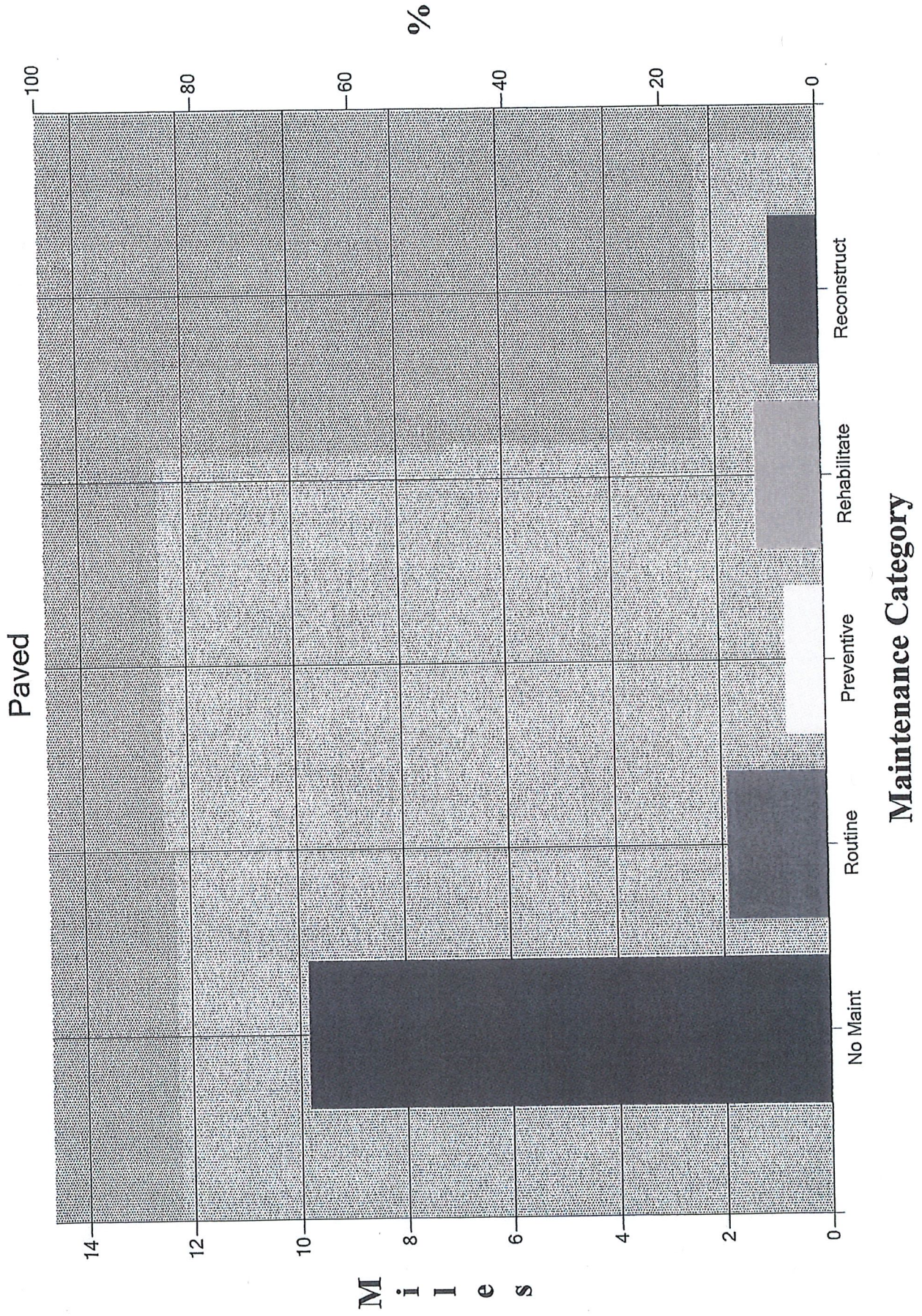
Vernon Ave-3 [Paved] From: Greenridge Rd To: Vesper Ave (Length: 0.07mi., Width: 20.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 70
Crack seal (S)	\$ 700
Resurface 2" (L)	\$ 7,000

W Central Ave-4 [Paved] From: University Ave To: Charles Street (Length: 0.10mi., Width: 21.00ft.)

Surface Status: Routine -2	<u>Estimated Cost</u>
Patching (S)	\$ 105
Crack seal (S)	\$ 1,050
Resurface 2" (L)	\$ 10,500

2016 rsms Network Overview



TO: Mayor & Council Members
FR: Larry DiRe, Town Manager
DT: January 18, 2022
RE: Advanced Metering Infrastructure (AMI) Water Meter System Upgrade –
Selection of Qualified Firm.

Since the September 20, 2021 mayor and town council meeting the town has been in the process of soliciting request for qualifications from qualified firms, held interviews with three qualified firms, and requested cost proposals from those firms for Advanced Metering Infrastructure (AMI) Water Meter System Replacement to ensure a competitive and public process as a good procurement practice. From the outset of the process this AMI water meter project was designated as an American Rescue Plan Act\Corona Virus State and Local Fiscal Recovery Fund (ARPA) expenditure in keeping with both the US Department of the Treasury's Interim and Final Rule documents. This project is shown in the draft fiscal year 2022-2023 budget as a capital project funded through ARPA. At this time staff is recommending that the mayor and council select a qualified firm and move forward with necessary contractual action.

Final cost proposals from the three qualified firms are attached. The full qualification packets, as well as the cost proposal documents, from three firms are posted on the Town website at this link https://www.townoffederalburg.org/agenda_details_T48_R105.php

Pending additional discussion, provide direction to staff for next procedural steps in this process.



**PROFESSIONAL SERVICES AGREEMENT FOR WATER ADVANCED
METERING INFRASTRUCTURE IMPLEMENTATION- TOWN OF
FEDERALSBURG**

Payment 1 Due at NTP
Payment 2 Due at Installation Completion

\$299,933.00
\$299,933.00

\$299,933.00
\$299,933.00
\$69,111.25 Year 2 All Inclusive
\$70,839.03 Year 3 All Inclusive
\$72,610.01 Year 4 All Inclusive
\$74,425.26 Year 5 All Inclusive

Pmt 1
Pmt 2
Pmt 3
Pmt 4
Pmt 5
Pmt 6

16 Hours Per Month of Service and Support
\$150 Per Hour for out of scope work

SECTION 4 – COST PROPOSAL PRICING

PRICING ASSUMPTIONS AND CLARIFICATIONS

The town may find Ferguson’s meter install cost to be higher than other proposers, so let’s take a quick look at what is included in this unit pricing. We do not believe in surprises when it comes to adders or mystery fees associated with project pricing and active deployment invoicing.

Breakdown of the Meter installation Unit Cost:

- Meter Installation Labor – Davis-Bacon prevailing wage rates, also covers extended work hours if needed, including Saturdays and evenings.
- All transportation costs (fuel and insurance), installer uniforms, and tools and equipment required for meter installation by National Metering Services.
- Lodging and crew mobilization for the project from National Metering Services (NMS).
- Project Management fees for NMS.
- Up to three customer meter-swap notices via US mail – Initial, second and final. After final notice to schedule install, the town will need to assist as a Return to Utility (RTU) account. Costs covers printing and postage.
- Gaskets and ancillary items related to meter installation services.
- Swap out of all metal lids for composite lids supplied by Ferguson. NMS will store the metal lids that are removed from service at a location designated by the Town.
- Customer Portal – NMS will provide the town access to the cloud-based workorder management database so actual installation records, including photo’s, can be reviewed by staff as needed during the project. NMS will keep the portal active for a period of one (1) month after final completion of the project. Should the utility desire to continue to access hosted account data, NMS would be able to provide same under a separate hosting agreement.
- Installation Photos – Before, Reading (old meter), After (installation of New) and mounting of AMI module and composite lid – appended to database installation records in work order management system.
- Repair or replacement of plumbing damaged during the meter installation, such as any broken fittings, valves or piping that occurred during the meter replacement.
- Appointment scheduling and customer service.
- Data base creation and management of meter installation data. Data entry – All new meter information will be uploaded into our database for electronic transfer to the utility. The utility will be responsible for any WOMS interface charges from CUSI, if they fall outside the scope of our quoted, anticipated integration fees.
- Call Center Support – for appointment scheduling and confirmation.
- E-Appointments – Internet appointment scheduling tool for your residential customers that were not able to be swapped under the normal door-to-door install plan.

Badger Meter will Invoice BEACON® AMA Managed Solution Subscription Fees Directly:

Ferguson will invoice all line items on the quote **EXCEPT** for the Managed Solution Subscription Fees, **which are invoiced by Badger Meter** and represent the payment model for cellular endpoint data usage, usually set as a monthly invoice. The subscription fees are based on the purchase and consumption of “Service Units” with each unit priced at \$0.85 for this project. An endpoint that is active in the system will usually consume one, but possibly more, Service Units each month, based on the established data interval for an endpoint and the number of call-ins to it. For easier comparison to other proposals with traditional single purpose RF networks, the Managed Solution Subscription is equivalent to network hosting fees. The estimated fees for the Town are calculated by multiplying the total AMI endpoints of 1,256, assuming they would all be active in the system, and multiplying them by the Service Unit price of \$0.85 and then multiplying by twelve to convert a monthly fee into an annual. Remember that there are no other operating costs – no cellular backhaul fee per data collector, no extended warranties on infrastructure, no additional hosting fees for a third-party customer portal, etc.

Other Pricing Notes:

- In the event of a mathematical calculation error, unit prices will prevail.

PRIMARY AMI SOLUTION PRICING SCHEDULE

Town of Federalsburg, MD

Water Meters and AMI Modules

Description	Qty	Unit Cost	Extended Cost
AMI Module with Through-the-Lid Install Kit	1,256	\$ 141.00	\$ 177,096.00
5/8"x3/4" Recordall Disc Meter, HR-E LCD Register	1,197	\$ 135.00	\$ 161,595.00
1" Recordall Disc Meter, HR-E LCD Register	8	\$ 232.00	\$ 1,856.00
2" E-Series Ultrasonic Meter	45	\$ 873.00	\$ 39,285.00
3" E-Series Ultrasonic Meter	3	\$ 2,273.00	\$ 6,819.00
4" E-Series Ultrasonic Meter	1	\$ 2,760.00	\$ 2,760.00
6" E-Series Ultrasonic Meter	2	\$ 4,345.00	\$ 8,690.00
Install: 5/8"x3/4" Meter, Absolute Encoder, AMI Module	1,197	\$ 128.00	\$ 153,216.00
Install: 1" Meter, Absolute Encoder, AMI Module	8	\$ 128.00	\$ 1,024.00
Install: 2" Meter, Absolute Encoder, AMI Module	45	\$ 455.00	\$ 20,475.00
Install: 3" Meter, Absolute Encoder, AMI Module	3	\$ 975.00	\$ 2,925.00
Install: 4" Meter, Absolute Encoder, AMI Module	1	\$ 1,169.00	\$ 1,169.00
Install: 6" Meter, Absolute Encoder, AMI Module	2	\$ 1,819.00	\$ 3,638.00
Salvage Credit: 5/8"x3/4" Meter (bronze only)	1,197	\$ (3.50)	\$ (4,189.50)
Salvage Credit: 1" Meter (bronze only)	8	\$ (6.00)	\$ (48.00)
Salvage Credit: 2" Meter (bronze only)	45	\$ (15.00)	\$ (675.00)
Salvage Credit: 3" Meter (bronze only)	3	\$ (27.00)	\$ (81.00)
Salvage Credit: 4" Mete (bronze only)	1	\$ (32.00)	\$ (32.00)
Salvage Credit: 6" Meter (bronze only)	2	\$ (38.00)	\$ (76.00)
IR Communication Device for Cellular Endpoint Activation	3	\$ 172.00	\$ 516.00

Composite Meter Pit Lids

Description	Qty	Unit Cost	Extended Cost
12.25" Composite Pit Lid with Badger Endpoint Mounting Hole - (5/8"x3/4" - 1" Meters)	1,205	\$ 29.00	\$ 34,945.00
Various Large Composite Pit Lid with Badger Endpoint Mounting Hole - (2" - 6" Meters)	51	\$ 283.00	\$ 14,433.00

Project Management & Training

Description	Qty	Unit Cost	Extended Cost
Project Management & Training	1	\$ 13,282.00	\$ 13,282.00

Hosted MDMS and Customer Portal

Description	Qty	Unit Cost	Extended Cost
BEACON Activation/Engagement Fee (one time)	1	\$ 5,264.00	\$ 5,264.00
NaaS/SaaS Managed Solution Subscription (Hosting Fee) - Badger Meter will invoice the Town directly. See pricing assumptions and clarifications for more details regarding fee calculation. This estimate reflects the purchase of Service Units from Badger that will support the AMI system for the minimum five-years (60-months) , as requested by the Town.	60	\$ 1,067.60	\$ 64,056.00
Billing Integration Fee (one time, Badger & CUSI)	1	\$ 6,514.00	\$ 6,514.00
Performance and Payment Bond Fee	1	\$ 3,535.00	\$ 3,535.00

Project Total Cost: \$ 717,991.50

Annual Maintenance (Years 6 - 15)

Description	Qty	Unit Cost	Extended Cost
NaaS/SaaS Hosting Fee (Badger Meter will invoice utility directly, per month. See pricing assumptions and clarifications for more details regarding bill calculation. This is an estimate for the only annual costs, which cover cellular Network as a Service, Software as a Service (both the MDMS and the Customer Portal), Badger and Ferguson customer service and Badger product warranty support.	12	\$ 1,067.60	\$ 12,811.20

COVER LETTER

Mr. Lawrence DiRe
Town Manager
Town Hall
118 North Main Street
Federalsburg, MD 21632

Dear Mr. DiRe,

Thank you for the opportunity to respond to the Town of Federalsburg's *Request for Proposal (RFP) for Town of Federalsburg AMI Water Meter Project*. As we have already submitted a comprehensive Statement of Qualifications (SOQ) in response to the Town of Federalsburg's *Request for Qualifications (RFQ) for Services for Water Meter System Replacement*, we recommend that you use that document as a reference should any further clarification be needed regarding technical data, specifics of the program, financial stability, references, and overall capabilities. We also encourage the Town of Federalsburg to reach out to us directly should any additional questions or concerns be raised in regard to this submission.

The RFP invitation specifically called out a number of objectives and qualifications required for this submission—as more fully described in our SOQ submittal. Please refer to this SOQ submittal for additional details and context. We are confident that our solution will:

- Improve customer service
- Improve planning capabilities
- Improve cash flow
- Improve water conservation
- Improve water accountability
- Reduce water loss
- Fully replace all old water meters
- Reduce or eliminate the current labor effort required with walk-by outside touch-pad system
- Complete customer portal functionality (future)
- Reduced long term costs (both near-term and future)

The following sections include a brief description of the products and services proposed—as outlined in the RFP invitation:

AMI WATER METERS & REGISTERS (PLEASE REFER TO THE SOQ FOR ADDITIONAL DETAILS)

- Residential Water Meter:
 - Badger Meter Recordall® Disc Meters (sizes 5/8", 5/8" x 3/4", 3/4", and 1")
- Light Commercial Water Meter
 - Badger Meter Recordall® Disc Meters (sizes 1 1/2" and 2")
- Commercial Water Meter
 - Badger Meter Recordall® Turbo Series Meters (sizes 1 1/2", 2", 3", 4", 6", 8", 10", and 12")

AMI SYSTEM COMPONENTS (PLEASE REFER TO THE SOQ FOR ADDITIONAL DETAILS)

- Meter Transmission Unit (MTU)
 - Aclara RF 3400 Water MTU
- Data Collection Unit (DCU)
 - Aclara RF Network DCU II

AMI SYSTEM INFRASTRUCTURE & SOFTWARE (PLEASE REFER TO THE SOQ FOR ADDITIONAL DETAILS)

- Aclara Smart Infrastructure Solutions (SIS)
- AclaraONE Software

AMI SYSTEM IMPLEMENTATION & INSTALLATION

- Please refer to the SOQ for our full AMI implementation and installation plan—including project timelines and key milestones.

AMI TRAINING

- Please refer to the SOQ for our training plan—including the initial and ongoing training for the life of the contract.

AMI FULL SERVICE PROGRAM (PLEASE REFER TO THE SOQ FOR ADDITIONAL DETAILS)

Some key, critical components of the AMI Full-Service Maintenance Program that will be experienced by the Town of Federalsburg include:

- A system design process that is focused on performance and reliability—tailored to the Town of Federalsburg’s needs
- Thorough upfront testing and planning to avoid costly changes after system installation begins
- A single point of contact throughout the meter replacement process that also extends through the 15-year maintenance program
- Rapid deployment of all meters and the full AMI network
- Dedicated support for software training and billing system integration
- No change orders outside of the design modifications or technology changes requested by the Town of Federalsburg

Following the initial meter system replacement project, the Town of Federalsburg will benefit from:

- A full 15-year warranty on all meter assets deployed during the replacement project
- A full 15-year warranty on all AMI network components, backhaul, and meter data management
- All AMI system hardware and software upgrades are included for the duration of the contract
- Scalability ensuring that the network grows with the Town of Federalsburg and is not constrained by changing technologies
- A local service center team for prompt and effective support and ongoing training of the Town of Federalsburg’s personnel
- Cloud-based data storage with ongoing software support to ensure data safety and reduce the burden on the Town of Federalsburg’s infrastructure technology (IT) resources

The goal of the metering asset management program is to empower the Town of Federalsburg with real-time information and data-management tools to both maximize efficiency and provide quality customer engagement. This will allow the existing water department personnel to focus on other aspects of system performance, water quality, and customer satisfaction. Ultimately, it will enhance the end-user experience with improved customer service support, proactive water usage notification, and water conservation tools.

We would like to sincerely thank you again for this opportunity to submit our response, and we truly hope for the opportunity to partner with you on the Town of Federalsburg's AMI water meter project. We value your business. Please do not hesitate to contact us in regard to answering any questions you may have.

Respectfully yours,



Mr. Jonathan Cato
Chief Operating Officer (COO)
Phone: (478) 396-9529
Email: jonathan.cato@suez.com

Mr. Andre Noel
Director of Revenue Management & Metering Services
Phone: (334) 322-8251
Email: andre.noel@suez.com

Mr. Rob Mourlas
Water System Consultant (State of Maryland)
Phone: (410) 443-1429
Email: robert.mourlas@suez.com

NOTES/EXCEPTIONS

SUEZ would like to note the following exception for the Town of Federalsburg:

- SUEZ's proposal is conditioned upon the negotiation and execution by both parties of a written, definitive agreement containing mutually acceptable terms and conditions. This agreement shall include—but not be limited to—mutually acceptable provisions on the following subjects: (i) scope of work, (ii) pricing, (iii) force majeure, (iv) indemnification, (v) waiver of consequential damages, (vi) liability cap, and (vii) dispute resolution. SUEZ shall not have any contractual obligations with respect to the matters referred to in its Proposal, unless and until a mutually acceptable definitive agreement has been executed and delivered by both parties.

PRICING

SUEZ ensures financial stability—providing our many clients with the option to spread the cost of renovations and rehabilitation over an extended period of time. We also offering long-term financial assistance and operational sustainability.

The following page details the pricing designed for the Town of Federalsburg. This pricing has been developed by SUEZ professionals to determine the best methods of successfully implementing the Town of Federalsburg's AMI water meter project.

FEDERALSBURG, MD
RFP PROPOSAL SUMMARY

AMI Full Service Implementation and Maintenance Program

Equipment: Advanced Metering Infrastructure (AMI)	Quantity	Unit Price	Ext Price
AMI RF Data Collectors	4	\$6,647.75	\$26,591.00
AMI Mounting Kits for Tanks, Poles, Roofs, etc.	4	\$2,103.75	\$8,415.00
AMI Mounting Kits for Monopoles (for installation on non-Town assets above 30ft)	N/A	N/A	N/A
AMI Infrastructure Total			\$35,006.00
Technology			
Field Programmers	3	\$1,350.00	\$4,050.00
Technology Total			\$4,050.00
SaaS, MDM, Integration, License and Training			
Host Software and Programmer Integration	1	\$30,390.00	\$30,390.00
Software Setup, Implementation & BOTH SIDES of the Interface to CUSI	1	\$21,735.00	\$21,735.00
FCC License (Secured Licensed Frequency Owned by the Town)	1	\$400.00	\$400.00
Meter Data Management (MDM) System	1	Included	Included
Meter Exchange File	1	Included	Included
AMI Hardware, Software and Water Meter Training	1	Included	Included
SaaS, MDM, Integration, License and Training Total			\$52,525.00
Network Installation			
AMI Network Installation including material & labor to mount to Town Owned Assets	1	\$16,450.00	\$16,450.00
Poles w/Installation (30 feet AGL)	1	Included	\$11,880.00
Engineering Certifications, Permitting, Welding & Drawings to mount to Town Owned Assets	1	Included	Included
Monopoles w/Installation for Collector Antennas installed over 30 ft on non-Town assets	N/A	N/A	N/A
Property Site Acquisition costs for the placement and installation of Monopoles	N/A	N/A	N/A
Total Cost for Site Leases for Monopoles on property for fifteen years	N/A	N/A	N/A
Network Installation Total			\$28,330.00
Water Infrastructure			
Residential and Commercial Water Meters and Water Meter RF Endpoints	1246	\$339.41	\$422,900.00
Water Meter, Endpoints and Meter Lid Installations	1	\$405,562.00	\$405,562.00
Installation Work Order Management System	1	Included	Included
RF Friendly Residential Composite Meters Lids	Included	Included	Included
Meter Site Surveys	1	Included	Included
Project Management and Professional Services	1	\$65,230.00	\$65,230.00
Water Infrastructure Total			\$893,692.00
Bonding			
Performance Bond	1	\$20,272.00	\$20,272.00
PROJECT GRAND TOTAL - BASE AMI SYSTEM			\$1,033,875.00

ANNUAL AMI ASSET MANAGEMENT PROGRAM TO INCLUDE:

ANNUAL COST

AMI Network Hardware Preventative & Corrective Maintenance	Included
AMI System Monitoring Service Includes daily notifications of alarms and events	Included
DCU Network Labor (Travel & Expenses)	Included
DCU Backhaul Costs	Included
Hosted Software License Fee	Included
Software Maintenance Agreement Fee	Included
Guaranteed AMI Network System Performance	Included
Firmware Updates	Included
Customer Portal with Annual Fees For All Users	Included
Mobile Programmer Fee	Included
Annual Maintenance Fee for all Data Collector Units	Included
Work Order Asset Management Service	Included
Return Material Authorization (RMA) Support	Included
Application Support	Included
Manufacturers Warranties	Included
Annual and Regular Training	Included

TOTAL ANNUAL COST - AMI ASSET MANAGEMENT PROGRAM* **\$46,110.00**

*Subject to Annual Cost of Service and Mutual Terms and Conditions.

TO: Mayor & Council Members
FR: Larry DiRe, Town Manager
DT: May 16, 2022
RE: Town Auction\Bid on Surplus Vehicles and Equipment

As the town moves to outsource residential trash collection and acquire new vehicles and capital equipment through lease and purchase from ARPA funds, a collection of old and underutilized vehicles and equipment is available for sale, increasing town revenue in the new fiscal year. The draft fiscal year 2022-223 budget shows a \$30,000 line of sale of surplus items. Some of the surplus vehicles and equipment are clearly known, while others may be stored and long forgotten. In any event all hold varying degrees of value. Staff is requesting the mayor and town council begin this public procurement process at this time. Staff would like to direct all departments to inventory vehicles and equipment, provide a reasonable dollar value and provide that list to the town manager. That list will be presented to mayor and council at a future meeting to be designated as surplus and offered for sale by auction or public seal bidding.

Pending discussion provide direction to staff.

TO: Mayor & Council Members
FR: Larry DiRe, Town Manager
DT: May 16, 2022
RE: Discussion of Draft Fiscal year 2022-2023 Budget dated May 11, 2022

At the April 18, 2022 work shop and May 2, 2022 staff presented a preview of the revenue forecast for draft budget for fiscal year 2022-2023. The accompanying staff report also provided a number of standards and expectations as the bases for the draft document. For both the general and enterprise funds there is little growth from one year to the next. Limited growth in residential, commercial and industrial land uses translates into stability in real and personal property tax revenues and utility fees. Where there are changes, they are typically small and seen in state share revenues and various user fees. Operational expenditures are generally forecast to be flat and consistent with the current fiscal year. Personnel costs, the most significant part of the operational budget across all departments and functions, account for the majority of cost increases. Both the water and wastewater maintenance budget lines show proposed increases, including the water fund capital outlay line for a water tank maintenance program.

The town's capital project budget is more clearly defined than was the case preparing the April 18, 2022 staff report to town council. Yet some uncertainty continues. Three projects were previously awarded state funding and have not begun work in the current fiscal year. These are the Old Denton Road watermain replacement project, the Marina Park stormwater project, and the improvements to 115-117 N Main Street building. Old Denton Road project may begin before this fiscal year ends and incur some expenditure before June 30, 2022, or it may not. The Marina Park project is a fiscal year 2022-2023 project. The watermain project is currently funded to \$638,000 and the stormwater project is grant funded to \$230,000. The 115-117 N. Main project is funded to \$100,000. There are pending grant applications for \$248,000 for broadband fiber network installation awaiting decision by the Connected Communities Fund, and \$2.4M for sanitary sewer pump station upgrades awaiting a funding decision from the Maryland Department for the Environment (MDE). Neither of these projects are shown on this draft budget document. Should either or both receive funding awards after the finalizing of this budget document and adoption after July 1, 2022, staff will bring forward an amended budget document for adoption. Work associated with the repairs and improvements to Chambers Lake Dam has not been cost estimated yet. A scope of work letter was generated by MDE Dam Safety staff. Pay as you go ARPA-funded projects include the AMI water meter system upgrade, the purchase of capital equipment including a backhoe and excavation attachments, and street improvements. Timing of the ARPA-funded projects is more flexible since the spending deadline extends beyond the next fiscal year.

Pending discussion provide direction to staff. Presented as an informational item at this time.

**TOWN OF FEDERALSBURG
PROPOSED OPERATING BUDGET
FOR FISCAL YEAR JULY 1, 2022 - JUNE 30, 2023**

		FY23		Final
		Proposed	Adjustments	Approved
Number	Title	Budget		FY23
1101000	Legislative			
1101100	Council Salaries	\$8,000.00		\$8,000.00
1101200	Clerk Salary	\$61,536.00		\$61,536.00
1101210	Asst. Clerk Salaries	\$59,273.00		\$59,273.00
1101250	Overtime	\$10,000.00		\$10,000.00
1101300	Health Insurance	\$26,929.00		\$26,929.00
1101400	Workman's Compensation	\$100.00		\$100.00
1101500	Soc. Security/Medicare	\$9,244.00		\$9,244.00
1101600	Unemployment	\$145.00		\$145.00
1101700	State Retirement Admin.	\$12,375.00		\$12,375.00
1101900	Other - travel, meals, etc.	\$4,000.00		\$4,000.00
	Sub-Total Legislative	\$191,602.00	\$0.00	\$191,602.00
1103000	Executive			
1103100	Mayor Salary	\$5,000.00		\$5,000.00
1103111	Workman's Compensation	\$20.00		\$20.00
1103112	Soc. Security/Medicare	\$234.00		\$234.00
1103113	Unemployment	\$51.00		\$51.00
1103900	Town Manager - Salary	\$63,038.00		\$63,038.00
1103906	Health Insurance	\$5,859.00		\$5,859.00
1103902	Workman's Compensation	\$1,924.00		\$1,924.00
1103903	Soc. Security/Medicare	\$4,823.00		\$4,823.00
1103904	Unemployment	\$34.00		\$34.00
1103905	State Retirement Admin.	\$6,592.00		\$6,592.00
1103910	Town Manager - Expenses	\$500.00		\$500.00
1103920	Admin Vehicle Fuel-Expenses	\$3,000.00		\$3,000.00
	Sub-Total Executive	\$91,075.00	\$0.00	\$91,075.00
1104000	Elections			
1104100	Election Supervisors Salaries	\$0.00		\$0.00
1104900	Other Operating	\$0.00		\$0.00
1104910	Voting Machine Operating	\$0.00		\$0.00
1104920	Advertising	\$0.00		\$0.00
1104930	Printing	\$0.00		\$0.00
1104960	Legal	\$0.00		\$0.00
	Sub-Total Elections	\$0.00	\$0.00	\$0.00
1105000	Financial Administration			
1105200	Computer Services & Billing	\$4,000.00		\$4,000.00
1105210	Postage & Mailing	\$6,000.00		\$6,000.00
1105220	Printing & Advertising	\$2,000.00		\$2,000.00
1105400	Audit Services	\$26,500.00		\$26,500.00
1105410	Accounting Fees	\$12,000.00		\$12,000.00

		FY23		Final
Number	Title	Proposed Budget	Adjustments	Approved FY23
1104110	Grants Administrator - Expenses	\$0.00		\$0.00
1104120	Postage Expense	\$0.00		\$0.00
1104130	Advertising	\$0.00		\$0.00
1104140	Consultation-Engineering/Energy	\$22,000.00		\$22,000.00
1104141	Prelim Design & Eng Prjts	\$0.00		\$0.00
1104142	Project Sign Budget	\$0.00		\$0.00
	Sub-Total Financial Administration	\$72,500.00	\$0.00	\$72,500.00
	Legal			
1106100	Legal Counsel Fees	\$31,500.00		\$31,500.00
NEW	Legal - Grant Projects	\$5,000.00		\$5,000.00
1106200	Codification	\$4,000.00		\$4,000.00
1106300	Code Amendments/Updates	\$4,000.00		\$4,000.00
	Sub-Total Legal	\$44,500.00	\$0.00	\$44,500.00
	1109000 General Services			
1103120	Town Office - Supplies	\$10,000.00		\$10,000.00
1103121	Town Office - Utilities	\$16,000.00		\$16,000.00
1103122	Building Insurance & Liability	\$6,000.00		\$6,000.00
1103126	Heat & Electric	\$14,000.00		\$14,000.00
1103127	Office Equipment Maintenance	\$1,000.00		\$1,000.00
1103129	Fall Ball Electric	\$1,000.00		\$1,000.00
1103130	Payroll	\$12,000.00		\$12,000.00
1109200	Municipal Building Maintenance	\$41,320.00		\$41,320.00
1109400	Monitoring System	\$750.00		\$750.00
1109500	Copier Lease/Maint Fees	\$3,500.00		\$3,500.00
1109600	Computer Replace/Upgrades	\$3,000.00		\$3,000.00
1109900	Capital Outlay	\$0.00		\$0.00
	Sub-Total General Services	\$108,570.00	\$0.00	\$108,570.00
	1101000 Other General Government			
1101014	Contributions & Donations	\$1,900.00		\$1,900.00
1101015	Employee Appreciation/Training	\$2,000.00		\$2,000.00
1101016	C. C. Tax Collection Fee	\$15,000.00		\$15,000.00
1101017	Employee Bonuses	\$2,500.00		\$2,500.00
1101020	Christmas Lights	\$850.00		\$850.00
1101030	Public Officers Assoc.	\$3,000.00		\$3,000.00
1101090	Other	\$2,000.00		\$2,000.00
1101091	Bank Account Expense	\$250.00		\$250.00
	Sub-Total Other General Governme	\$27,500.00	\$0.00	\$27,500.00
		\$535,747.00	\$0.00	\$535,747.00

		FY23		Final
		Proposed	Adjustments	Approved
Number	Title	Budget		FY23
1111000	Police Department			
1111210	Salaries	\$612,896.00		\$612,896.00
1111211	Overtime	\$35,075.00		\$35,075.00
111121B	Employee Holiday Pay	\$22,519.00		\$22,519.00
111121C	Promotions	\$3,000.00		\$3,000.00
1111213	CT/Differential	\$32,200.00		\$32,200.00
1111215	Police K-9 Expense	\$5,000.00		\$5,000.00
1111216	Health Insurance	\$72,780.00		\$72,780.00
1111217	Workman's Compensation	\$24,825.00		\$24,825.00
1111218	Soc. Security/Medicare	\$46,886.00		\$46,886.00
1111219	Unemployment	\$510.00		\$510.00
1111220	State Retirement Admin.	\$42,300.00		\$42,300.00
1111221	Equipment & Supplies	\$15,000.00		\$15,000.00
1111222	Automobile Operating	\$25,000.00		\$25,000.00
1111223	Police Other/Misc. Expense	\$3,000.00		\$3,000.00
1111224	Insurance - Auto & Liability	\$12,500.00		\$12,500.00
1111225	Legal	\$2,000.00		\$2,000.00
1111226	Telephone/Office/Mobile	\$12,300.00		\$12,300.00
1111227	Light & Heat	\$13,000.00		\$13,000.00
1111228	Fuel	\$15,000.00		\$15,000.00
1111230	Building Maintenance	\$4,000.00		\$4,000.00
1111232	Postage	\$200.00		\$200.00
1111233	Uniforms	\$5,000.00		\$5,000.00
1111400	Training	\$12,000.00		\$12,000.00
1111401	Hired Services	\$12,000.00		\$12,000.00
1111500	IT/Computer Services	\$27,000.00		\$27,000.00
1111600	Camera-Software & Equipment	\$11,000.00		\$11,000.00
1111700	Police Radio Loan	\$13,200.00		\$13,200.00
1111800	USDA Vehicle Grant	\$0.00		\$0.00
1111900	Capital Outlay	\$5,000.00		\$5,000.00
1112000	Recruit Task Force	\$0.00		\$0.00
1112200	Annual/Monthly Fees	\$9,000.00		\$9,000.00
1112300	Monitoring System	\$750.00		\$750.00
1242700	PSB RDA Loan	\$49,420.00		\$49,420.00
	Sub-Total Police Department	\$1,144,361.00	\$0.00	\$1,144,361.00
	Fire Protection			
1112600	FVFD Appropriation	\$20,000.00		\$20,000.00
	Sub-Total Fire Prevention	\$20,000.00	\$0.00	\$20,000.00
	Building Inspections			
1114121	Inspector Salary	\$42,052.00		\$42,052.00
1114122	Health Insurance	\$7,812.00		\$7,812.00
1114123	Workman's Compensation	\$2,124.00		\$2,124.00
1114124	Soc. Security/Medicare	\$3,217.00		\$3,217.00
1114125	Unemployment	\$50.00		\$50.00
1114126	State Retirement Admin.	\$4,307.00		\$4,307.00

		FY23		Final
Number	Title	Proposed Budget	Adjustments	Approved FY23
1114127	Postage	\$600.00		\$600.00
1114130	Professional Education	\$500.00		\$500.00
1114140	Clean & Lien	\$3,000.00		\$3,000.00
1114150	Computer Maint./Repair	\$600.00		\$600.00
1114155	COD Vehicle Insurance	\$400.00		\$400.00
1114160	Office Supplies & Expenses	\$600.00		\$600.00
1114170	Seminars & Conferences	\$200.00		\$200.00
1114180	Mileage/Vehicle Maintenance	\$850.00		\$850.00
1114181	Inspection/Bldg Permit Fees	\$1,000.00		\$1,000.00
1114182	Legal/Court Fees	\$1,000.00		\$1,000.00
	Sub-Total Building Inspections	\$68,312.00	\$0.00	\$68,312.00
	TOTAL PUBLIC SAFETY	\$1,232,673.00	\$0.00	\$1,232,673.00
1115200	Traffic Engineering			
1115210	Street Signs	\$3,000.00		\$3,000.00
	Sub-Total Traffic Engineering	\$3,000.00	\$0.00	\$3,000.00
1124200	Street Sanitation			
1124210	Salaries/Waste	\$0.00		\$0.00
1124211	Health Insurance	\$0.00		\$0.00
1124212	Workman's Compensation	\$0.00		\$0.00
1124213	Soc. Security/Medicare	\$0.00		\$0.00
1124214	Unemployment	\$0.00		\$0.00
1124215	State Retirement Admin.	\$0.00		\$0.00
1124222	Truck Operating	\$1,200.00		\$1,200.00
1124223	Sweeper Operating	\$1,200.00		\$500.00
1124224	Sweeper Maintenance	\$1,200.00		\$1,200.00
1124300	Insurance	\$2,288.00		\$2,288.00
	Sub-Total Street Sanitation	\$5,888.00	\$0.00	\$5,188.00
1124300	Waste Collection & Disposal			
1124310	Salaries/Waste	\$32,126.00		\$32,126.00
1124311	Health Insurance	\$0.00		\$0.00
1124312	Workman's Compensation	\$962.00		\$962.00
1124313	Soc. Security/Medicare	\$2,458.00		\$2,458.00
1124314	Unemployment	\$40.00		\$40.00
1124315	State Retirement Admin.	\$3,360.00		\$3,360.00
1124324	Truck Operating & Maintenance	\$0.00		\$0.00
1124325	Landfill Charges	\$5,000.00		\$5,000.00
1124327	Other Operating	\$10,000.00		\$10,000.00
1124328	Insurance	\$2,050.00		\$2,050.00
1124380	NEW - Hired Services - Garbage	\$195,120.00		\$195,120.00
	Sub-Total Waste Collection & Disp	\$251,116.00	\$0.00	\$251,116.00

		FY23		Final
Number	Title	Proposed Budget	Adjustments	Approved FY23
1124500	Weed & Grass Control			
1124510	Salaries/Weed & Grass Control	\$0.00		\$0.00
1124511	Health Insurance	\$0.00		\$0.00
1124512	Workman's Compensation	\$0.00		\$0.00
1124513	Soc. Security/Medicare	\$0.00		\$0.00
1124514	Unemployment	\$0.00		\$0.00
1124515	State Retirement Admin.	\$0.00		\$0.00
1124520	Mower Operating	\$5,000.00		\$5,000.00
1124590	Weed Spraying	\$700.00		\$700.00
1124350	Mosquito	\$1,740.00		\$1,740.00
	Sub-Total Weed & Grass Control	\$7,440.00	\$0.00	\$7,440.00
1125000	Highways & Streets			
1125100	Public Works Department Salary	\$16,716.00		\$16,716.00
1125210	Street Department Salaries	\$90,241.00		\$90,241.00
1125211	Health Insurance	\$37,458.00		\$37,458.00
1125212	Workman's Compensation	\$4,779.00		\$4,779.00
1125213	Soc. Security/Medicare	\$8,183.00		\$8,183.00
1125214	Unemployment	\$125.00		\$125.00
1125215	State Retirement Admin.	\$11,185.00		\$11,185.00
1125216	Overtime	\$8,000.00		\$8,000.00
1125220	Supplies & Materials	\$10,000.00		\$10,000.00
1125223	Conferences & Seminars	\$0.00		\$0.00
1125230	Hired Services	\$1,500.00		\$1,500.00
1125231	Uniforms Maintenance Dept.	\$3,000.00		\$3,000.00
1125240	Building Maintenance	\$3,000.00		\$3,000.00
1125250	Truck Operating	\$10,000.00		\$10,000.00
1125251	Equipment Operating	\$8,000.00		\$8,000.00
1125252	Liability Insurance-Highways & Street	\$5,700.00		\$5,700.00
1125260	Utilities - Barn & Shed	\$6,000.00		\$6,000.00
1125270	Telephone Services	\$2,000.00		\$2,000.00
1125280	Office Supplies & Expenses	\$600.00		\$600.00
1125430	Snow Removal Chemical & Supplies	\$4,000.00		\$4,000.00
1125440	Sand	\$700.00		\$700.00
1125500	Sidewalk Program	\$10,000.00		\$10,000.00
1125790	Drug Testing & Equipment	\$700.00		\$700.00
112579G	Street Bond Principal	\$87,545.00		\$87,545.00
112579C	Street Bond Interest	\$35,777.00		\$35,777.00
112579D	Street Bond Trustee Fees	\$455.00		\$455.00
1125820	Street Electric	\$75,000.00		\$75,000.00
1125850	Monitoring System	\$750.00		\$750.00
1125905	Concrete	\$0.00		\$0.00
1125900	Street Capital Outlay	\$0.00		\$0.00
1125910	Capital Outlay	\$0.00		\$0.00
1125920	Dump Truck Payment	\$0.00		\$0.00
	Sub-Total Highways & Streets	\$441,414.00	\$0.00	\$441,414.00
	TOTAL PUBLIC WORKS	\$708,858.00	\$0.00	\$708,158.00

		FY23		Final
		Proposed	Adjustments	Approved
Number	Title	Budget		FY23
1180000	Recreation & Culture			
1181100	Salary	\$0.00		\$0.00
1181101	Health Insurance	\$0.00		\$0.00
1181102	Workman's Compensation	\$0.00		\$0.00
1181103	Soc. Security/Medicare	\$0.00		\$0.00
1181104	Unemployment	\$0.00		\$0.00
1181105	State Retirement Admin.	\$0.00		\$0.00
1181210	Recreation Electricity	\$7,500.00		\$7,500.00
1181240	Recreation Equipment Maintenance	\$1,500.00		\$1,500.00
1181290	Recreation Capital Outlay	\$0.00		\$0.00
1181300	Splash Pad-Overtime	\$9,000.00		\$9,000.00
1181430	Senior Center Maintenance	\$0.00		\$0.00
1181440	Senior Center Utilities	\$5,800.00		\$5,800.00
	Sub-Total Recreation & Culture	\$23,800.00	\$0.00	\$23,800.00
1220000	Economic Development			
1221200	Industrial Park Operating	\$450.00		\$450.00
1221400	Industrial Park Electricity	\$3,000.00		\$3,000.00
1223000	Tourism Contribution	\$2,000.00		\$2,000.00
	Sub-Total Economic Development	\$5,450.00	\$0.00	\$5,450.00
1240000	Debt Service			
1241700	Caroline Industrial Park	\$22,364.00		\$22,364.00
1242500	MD Retirement Accrued Liability	\$36,433.00		\$36,433.00
1242550	MD Retirement Adm Fees	\$4,520.00		\$4,520.00
1242600	FHS Loan Payment	\$0.00		\$0.00
1111229	Line of Credit Int. PSB	\$0.00		\$0.00
	Sub-Total Debt Service	\$63,317.00	\$0.00	\$63,317.00
1260000	Miscellaneous			
1269300	Computer Consultant	\$2,800.00		\$2,800.00
1269400	Web Site Development	\$5,000.00		\$5,000.00
1269502	Transfer Capital Projects	\$22,484.00		\$22,484.00
1269503	Transfer to Small Business	\$0.00		\$0.00
1269550	Surplus Savings	\$0.00		\$0.00
	Sub-Total Miscellaneous	\$30,284.00	\$0.00	\$30,284.00
		\$122,851.00	\$0.00	\$122,851.00
GRAND TOTAL EXPENDITURES		\$2,600,129.00	\$0.00	\$2,599,429.00
				\$11,372.00

REVENUES					
		FY23		Final	
		Proposed	Adjustments	Approved	
Number	Title	Budget		FY23	
1010000	Taxes - Local				
1011000	Real Estate Property Taxes	\$1,419,819.00		\$1,419,819.00	
1011001	County In Lieu of	\$924.00		\$924.00	
1011100	Personal/Certification Taxes	\$535,000.00		\$535,000.00	
1012000	Penalties & Interest	\$18,000.00		\$18,000.00	
1014000	Income Taxes	\$90,000.00		\$90,000.00	
1016600	Highway User Revenue	\$153,951.00		\$153,951.00	
1016800	Dividends/Patrnge Revenues	\$1,000.00		\$1,000.00	
	Sub-Total Taxes - Local	\$2,218,694.00	\$0.00	\$2,218,694.00	
1020000	Licenses & Permits				
1022330	Business/Traders Licenses	\$200.00		\$200.00	
1023200	Building Permits	\$20,000.00		\$20,000.00	
1023400	Cell Tower Rental Fees	\$0.00		\$0.00	
1023900	Other	\$150.00		\$150.00	
	Sub-Total Licenses	\$20,350.00	\$0.00	\$20,350.00	
1030000	Revenue from Other Agencies				
1033030	Police Protection	\$43,390.00		\$43,390.00	
1033080	Clean & Lien Ordinance	\$3,000.00		\$3,000.00	
1033091	Critical Areas Grant	\$1,000.00		\$1,000.00	
	Sub-Total Revenue from Other Age	\$47,390.00	\$0.00	\$47,390.00	
1040000	Service Charges for Current Services				
1041201	Board of Appeals Fees	\$0.00		\$0.00	
1041400	Sale of Maps & Publications	\$0.00		\$0.00	
1041500	Copier Revenue	\$0.00		\$0.00	
1041900	Postage & Phone Reimbursement	\$0.00		\$0.00	
	Sub-Total Revenue from Service C	\$0.00	\$0.00	\$0.00	
1042000	Public Safety				
1042098	Rental License Inspection Fees	\$20,000.00		\$20,000.00	
1042099	Rental License Permit	\$56,800.00		\$56,800.00	
1042100	Special Police Services	\$200.00		\$200.00	
	Sub-Total Revenue from Public Sa	\$77,000.00	\$0.00	\$77,000.00	
1044000	Sanitation & Waste Removal				
1044310	Waste Collection & Disposal	\$3,000.00		\$3,000.00	
1044500	Yard Sale Permits	\$0.00		\$0.00	
1044510	Solid Waste Collection & Disposal	\$195,120.00		\$195,120.00	
1044511	PW Scrap Metal/Aluminum Sold	\$2,000.00		\$2,000.00	
	Sub-Total Revenue from Sanitation	\$200,120.00	\$0.00	\$200,120.00	
	Waste Removal				

		FY23		Final
Number	Title	Proposed Budget	Adjustments	Approved FY23
1048000	Recreation			
1048900	Park Building Rentals	\$650.00		\$650.00
1049900	Upper Shore Aging/Senior	\$2,520.00		\$2,520.00
	Sub-Total Recreation	\$3,170.00	\$0.00	\$3,170.00
1050000	Fines & Forfeitures			
1050010	Civial Citations/Court Fines	\$100.00		\$100.00
	Sub-Total Fines	\$100.00	\$0.00	\$100.00
1060000	Miscellaneous			
1066200	Damage Reimbursements	\$0.00		\$0.00
1012000	General Fund Savings Interest Incom	\$0.00		\$0.00
1067000	Sale of Equipment or Vehicles	\$30,000.00		\$30,000.00
1068000	FHS Building Loan Payment	\$0.00		\$0.00
1069000	Loan Proceeds	\$0.00		\$0.00
1069200	Other Miscellaneous	\$12,000.00		\$12,000.00
1069205	Fall Ball Electric	\$1,000.00		\$1,000.00
1069210	Trsfin-Maint Rev. Small Bus. Loan	\$977.00		\$977.00
1069300	Transfer from Fund Balance	\$0.00		\$0.00
	Sub-Total Miscellaneous	\$43,977.00	\$0.00	\$43,977.00
GRAND TOTAL REVENUES		\$2,610,801.00	\$0.00	\$2,610,801.00
GEN FUND INCOME LESS EXPENS		\$10,672.00		\$11,372.00

		FY23		Final
		Proposed	Adjustments	Approved
Number	Title	Budget		FY23
Wastewater Revenue:				
6044100	Sewer Service Charge	\$618,120.00		\$618,120.00
6044200	Sewer Connection Charge	\$10,500.00		\$10,500.00
6044150	Sewer Debt Service Fee	\$591,103.00		\$591,103.00
6044400	Interest Income Reserve Fund	\$100.00		\$100.00
6044410	Interest Income SGFNB0471	\$15.00		\$15.00
6044301	Waste Collection & Disposal	\$0.00		\$0.00
6044500	Flush Tax	\$90,000.00		\$90,000.00
6044550	SREC Sale	\$59,400.00		\$59,400.00
6044600	Other Financing Sources	\$0.00		\$0.00
		\$1,369,238.00	\$0.00	\$1,369,238.00
6124410 Wastewater Department				
6124410	Salaries	\$93,126.00		\$93,126.00
6124470	Health Insurance	\$23,995.00		\$23,995.00
6124471	Workman's Compensation	\$3,345.00		\$3,345.00
6124472	Soc. Security/Medicare	\$7,125.00		\$7,125.00
6124473	Unemployment	\$117.00		\$117.00
6124474	State Retirement Admin.	\$9,537.00		\$9,537.00
6124412	Engineering	\$0.00		\$0.00
6124421	Lab Supplies	\$7,000.00		\$7,000.00
6124422	Treatment Supplies	\$160,000.00		\$160,000.00
6124423	Electricity	\$30,000.00		\$30,000.00
6124424	System Maintenance	\$90,000.00		\$90,000.00
6124427	Telephone	\$1,000.00		\$1,000.00
6124428	Equipment & Building Maintenance	\$10,000.00		\$10,000.00
6124429	Other Operating	\$0.00		\$0.00
6124430	Truck Lease Payments	\$4,000.00		\$4,000.00
6124431	Sewer Insurance	\$6,000.00		\$6,000.00
6124432	Emergency Maint/Repairs	\$10,000.00		\$10,000.00
6124435	Conferences & Seminars	\$2,000.00		\$2,000.00
6124436	Consulting WWTP - George Frigon	\$15,000.00		\$15,000.00
6124440	Landfill Charges	\$20,000.00		\$20,000.00
6124444	Nuttles Pump Station Loan	\$15,669.00		\$15,669.00
6124441	WWTP MDE ADM Fees/Loan	\$9,120.00		\$9,120.00
6124442	WWTP Loan MDE Prin	\$155,630.00		\$155,630.00
6124443	WWTP Loan MDE Int.	\$6,816.00		\$6,816.00
6124450	Sewer Interest	\$75,755.00		\$75,755.00
6124451	Sewer Principal	\$121,811.00		\$121,811.00
6124452	CDA Loan Trustee Fees	\$3,805.00		\$3,805.00
6124453	Railroad Avenue Principal 2013	\$12,548.00		\$12,548.00
6124454	Railroad Avenue Interest 2013	\$650.00		\$650.00
6124456	Railroad Admin Fees 2013	\$659.00		\$659.00
6124455	Depreciation	\$176,374.00		\$176,374.00
6124460	Flush Tax/Bay Restoration	\$90,000.00		\$90,000.00
6124490	Capital Outlay	\$25,000.00		\$25,000.00
6124491	New - PLC & Scada Upgrade	\$0.00		\$0.00
6124492	New - Oxid 2B Rehab	\$27,000.00		\$27,000.00
6125000	Line of Credit - Solar Panels	\$0.00		\$0.00
	Sub-Total Wastewater Department	\$1,213,082.00	\$0.00	\$1,213,082.00
UNRESTRICTED WASTEWATER INCOME LES		\$156,156.00	\$0.00	\$156,156.00

		FY23		Final
		Proposed	Adjustments	Approved
Number	Title	Budget		FY23
Water Revenue:				
2041110	Water Service Charges	\$342,390.00		\$342,390.00
2041120	Water Service Connections	\$10,500.00		\$10,500.00
2041130	Water Debt Charges	\$125,300.00		\$125,300.00
2041180	Other Water Charges	\$1,500.00		\$1,500.00
2041190	Water Cut-Off Charges	\$4,700.00		\$4,700.00
2044410	Interest Income WFD0489	\$125.00		\$125.00
2044400	Interest Income Water Rev. Nat1905	\$100.00		\$100.00
		\$484,615.00	\$0.00	\$484,615.00
2123000 Water Department				
2123100	Salaries	\$97,064.00		\$97,064.00
2123160	Health Insurance	\$27,904.00		\$27,904.00
2123161	Workman's Compensation	\$2,854.00		\$2,854.00
2123162	Soc. Security/Medicare	\$7,425.00		\$7,425.00
2123163	Unemployment	\$144.00		\$144.00
2123164	State Retirement Admin.	\$9,940.00		\$9,940.00
2123111	Engineering	\$0.00		\$0.00
2123121	Supplies & Materials	\$5,000.00		\$5,000.00
2123122	Electricity	\$18,000.00		\$18,000.00
2123123	System Maintenance	\$45,000.00		\$45,000.00
2123124	Truck Operating & Maintenance	\$1,000.00		\$1,000.00
2123125	Fuel	\$2,000.00		\$2,000.00
2123126	Telephone	\$1,000.00		\$1,000.00
2123129	Building Maintenance	\$5,000.00		\$5,000.00
2123130	Capital Outlay	\$60,000.00		\$60,000.00
2123132	Emergency Maint/Repairs	\$45,000.00		\$45,000.00
2123235	Truck Lease Payments	\$4,000.00		\$4,000.00
2123136	Conferences & Seminars	\$1,000.00		\$1,000.00
2123140	Insurance	\$5,500.00		\$5,500.00
2123145	Lab/Chemicals - Ches Labs	\$4,000.00		\$4,000.00
2123147	Water Tower Loan Prin	\$93,473.00		\$93,473.00
2123148	Water Tower Loan Int	\$2,551.00		\$2,551.00
2123149	Water Tower Loan Adm	\$4,734.00		\$4,734.00
2123151	Holland Drive Water Loan PRIN	\$595.00		\$595.00
2123154	Holland Drive Adm. Fee	\$34.00		\$34.00
2123150	Water Interest	\$5,002.00		\$5,002.00
2123152	WQL/1996/Principal	\$4,612.00		\$4,612.00
2123153	CDA Principal - Loan Cons 96	\$8,190.00		\$8,190.00
2123155	CDA Loan Trustee Fees	\$256.00		\$256.00
2123156	New - PLC & Scada Upgrade	\$0.00		\$0.00
2124150	Depreciation	\$36,668.00		\$36,668.00
	Sub-Total Water Department	\$497,946.00	\$0.00	\$497,946.00
UNRESTRICTED WATER INCOME LESS EXPE		-\$13,331.00	\$0.00	-\$13,331.00
	WATER/SEWER INCOME LESS EX	\$142,825.00	\$0.00	\$142,825.00

		FY22		Final
		Proposed	Adjustments	Approved
Number	Title	Budget		FY22
Debt Service Fund Revenue:				
4502200	DSF Interest Income (Industrial Acco	\$75.00		\$75.00
4502300	DSF Interest Income (Debt Service)	\$5.00		\$5.00
	Total	\$80.00	\$0.00	\$80.00
4513501	Transfer to Capital Projects Fund	\$0.00	\$0.00	\$0.00
	Total	\$0.00	\$0.00	\$0.00
	DEBT SERVICE INCOME LESS EXP	\$80.00	\$0.00	\$80.00
ARPA	AMI Water Meters -ARPA	\$800,000.00		\$800,000.00
ARPA	Town Street Paving - ARPA	\$800,000.00		\$800,000.00
	Old Denton Road Water Main	\$638,000.00		\$638,000.00
	Marina Park Stormwater	\$230,000.00		\$230,000.00
ARPA	Backhoe/excavation attachments -	\$80,000.00		\$80,000.00
	115-117 N. Main Street	\$100,000.00		\$100,000.00
		\$2,648,000.00		\$2,648,000.00
		\$2,648,000.00		\$2,648,000.00
	CAP PROJECT INCOME LESS EXP	#REF!	#REF!	#REF!

		Proposed Budget FY23		
Revenue				
Small Business Revolving Loan			INTEREST	PRINCIPAL
5101910	Marshyhope Hardware	\$9,910.00	\$533.00	\$9,377.00
5101940	Trenton Pipe Nipple	\$7,939.00	\$672.00	\$7,267.00
5101945	St Michaels Winery #2012-01	\$0.00	\$0.00	\$0.00
5101946	St Michaels Distillery	\$6,075.00	\$1,610.00	\$4,466.00
5101000	Meredith's TV 2013-01	\$0.00	\$0.00	\$0.00
5101949	Fed Brew Company	\$6,567.00	\$6,567.00	\$0.00
	Total:	\$30,491.00	\$9,382.00	\$21,110.00
Expenditures		FY23 Proposed	Adjustments	Final Approved Budget FY 23
5201000	Legal	\$0.00		\$0.00
5200050	Salary	\$0.00		\$0.00
5200051	Health Insurance	\$0.00		\$0.00
5200052	Workman's Compensation	\$0.00		\$0.00
5200053	Soc. Security/Medicare	\$0.00		\$0.00
5200054	Unemployment	\$0.00		\$0.00
5200055	State Retirement Admin.	\$0.00		\$0.00
5201400	Training/Seminars/Mileage	\$0.00		\$0.00
5201200	Advertising	\$0.00		\$0.00
5201500	Maint. Revolving Loan	\$977.00		\$977.00
	Total:	\$977.00	\$0.00	\$977.00
	SM BUS INCOME LESS EXPENSE			\$20,133.00
Revised:	1st Draft	4/26/2022		
	2nd Draft	5/11/2022		
	3rd Draft			
	4th Draft			
	5th Draft			
BUDGET PUBLIC HEARING DATE:				
BUDGET APPROVAL DATE:				
BUDGET EFFECTIVE DATE:				
AMENDED DATE:				
CONSTANT YIELD PUBLIC HEARING				

ORDINANCE NO. 2022-2

AN ORDINANCE OF THE MAYOR AND COUNCIL OF FEDERALSBURG ADOPTING A GENERAL BUDGET AND ENTERPRISE BUDGET FOR THE FISCAL YEAR BEGINNING JULY 1, 2022 AND ENDING JUNE 30, 2023, AND ESTABLISHING A TAX RATE OF \$.88 PER \$100 OF ASSESSED REAL PROPERTY VALUE AND A TAX RATE OF \$1.65 PER \$100 ON ALL COMMERCIAL OR BUSINESS PERSONAL PROPERTY AND ALL RAILROAD AND UTILITY PROPERTY; ESTABLISHING AND ADOPTING THE SAME SERVICE AND ADMINISTRATIVE FEE FOR SEMI-ANNUAL BILLINGS AS ADOPTED BY CAROLINE COUNTY; ESTABLISHING A QUARTERLY WASTE COLLECTION FEE IN THE AMOUNT OF \$40.65 PER QUARTER FOR COMMERCIAL PROPERTIES WHICH RECEIVE WASTE COLLECTION SERVICES AND FOR ALL RESIDENTIAL PROPERTIES LOCATED WITHIN THE CORPORATE TOWN BOUNDARIES; AND ESTABLISHING A \$6.00 PER ITEM CHARGE FOR EXTRA WASTE COLLECTION ITEMS

WHEREAS, Section C11-1 of the Federalsburg Town Charter requires the Town to establish and operate an annual budget; and

WHEREAS, the Town has determined that it is desirable and in the public interest, and consistent with state law, to establish a General Budget, which is set forth in the attached Exhibit “A”; and

WHEREAS, the Town has determined that it is desirable and in the public interest, and consistent with state law, to establish an Enterprise Budget for the Town’s water and wastewater operations, which is also set forth in the attached Exhibit “B” and

WHEREAS, the Town has determined that it is desirable and in the public interest, and consistent with state law to charge a service and administrative fee on semi-annual tax collection billings in the same amount as established by Caroline County, as set forth herein; and

WHEREAS, the Town has determined that it is desirable and in the public interest, and consistent with state law, to establish a quarterly waste collection and disposal fee in the amount of \$40.65 per quarter for commercial properties which receive waste collection services, and for all residential properties within the corporate boundaries of the Town; and

WHEREAS, the Town has determined that it is desirable and in the public interest, and consistent with state law, to establish a charge for extra waste collected in the amount of \$6.00 per item collected; and

NOW, THEREFORE, be it Ordained and Enacted by the Mayor and Council of Federalsburg, Maryland that the following tax rates and fees, revenue and expenditure estimates are adopted for Fiscal Year commencing July 1, 2022:

- Section 1. General Fund
- Section 2. Rate of Taxation on Real Property
- Section 3. Rate of Taxation on Corporation
- Section 4. Service and Administrative Fee
- Section 5. Rate of Taxation on Railroad and Utility Property
- Section 6. Waste Collection Fee

Section 1. General Fund

A. That the following amounts shall be hereby appropriated for the expenditures designated for the fiscal year beginning July 1, 2022 and ending June 30, 2023 for the General Fund:

Activity Title	Approved Budget & Appropriation
EXPENDITURES	
General Government	\$ 521,747.00
Public Safety	\$ 1,232,673.00
Public Works	\$ 708,158.00
Recreation & Parks	\$ 23,300.00
Economic Development	\$ 4,950.00
Debt Service	\$ 63,317.00
Miscellaneous	<u>\$ 30,284.00</u>
TOTAL EXPENDITURES	<u>\$ 2,584,429.00</u>

B. That the following revenues are, in the consideration judgment of the Mayor and Council of Federalsburg a fair appraisal and estimate of the revenues available to finance this budget and these appropriations for the fiscal year beginning July 1, 2022 and ending June 30, 2023.

Source

REVENUES:

Taxes	\$ 2,218,694.00
Licenses & Permits	\$ 20,350.00
Revenue from other Agencies	\$ 51,390.00
Service Charges for Current Services	\$ 0.00
Public Safety	\$ 77,000.00
Sanitation and Waste Removal	\$ 200,120.00
Recreation	\$ 3,170.00
Fines and Forfeitures	\$ 100.00
Miscellaneous	<u>\$ 43,977.00</u>
TOTAL REVENUES	<u>\$2,614,801.00</u>

Section 2. Rate of Taxation on Real Estate Property

That the rate of taxation on real property to be taxed within the boundaries of the Town of Federalsburg, Maryland shall be and hereby is established as:

Eighty-eight Cents (\$0.88)

On each one hundred dollars (\$100) of value for the fiscal year beginning July 1, 2022 and ending June 30, 2023.

Section 3. Rate of Taxation on Business Personal Property, Utility Property & Certifications

That the rate of taxation for the fiscal year beginning July 1, 2022 and ending June 30, 2023, on any personal property to be taxed by the Town of Federalsburg, Maryland shall be and hereby is established as:

One Dollar and Sixty-five Cents (\$1.65)

On each one hundred dollars (\$100.00) of assessed valuation, unless otherwise provided for by the Tax Property Article of the Annotated Code of Maryland.

Section 4. Service and Administration Fee Collected by Caroline County Treasurers Office

That the rate of service and administrative fees on semi-annual billings assessed by the Caroline County Tax Office shall be and hereby is established as:

.55% service fee with a 10% administrative fee for 2020-2021. The fee and charge amount to .55%.

This is computed at 2% annual interest divided by twelve months, times three months, October, November & December, times 1.1% for the administrative fee. The County administrative fee of one percent (1%) not to exceed; however, Thirteen Thousand Dollars (\$13,000.00) per year, of taxes collected.

Section 5. Rate of Taxation on Railroad and Utility Property

That the rate of taxation for the fiscal year beginning July 1, 2022 and including June 30, 2023 on any railroad and utility property to be taxed by the Town of Federalsburg, Maryland, shall be and hereby is established as:

One Dollar and Sixty-five cents (\$1.65)

On each one hundred dollars (\$100.00) of assessed valuation, unless otherwise provided for by Md. Code Ann., Tax-Property Article § 6-103.

Section 6. Waste Collection Fee

That the rate of waste collection and disposal fee within the boundaries of the Town of Federalsburg, Maryland shall not change and hereby is established as:

Thirty-Nine Dollars and Fifty-Five Cents (\$40.65) per quarter – Garbage Fee

Six Dollars (\$6.00) per item – Extra Waste Collection Fee

Section 7. In accordance with Section C3-6, of the Federalsburg Town Charter, this Ordinance shall become effective upon passage by the Mayor and Council and recordation in the Minute Books.

	Yea/Nay
Kimberly J. Abner	_____
Scott Phillips	_____
Debra Sewell	_____
Robert Willoughby	_____
Edward H. Windsor	_____

I hereby certify that the above Ordinance was passed by a yea and nay vote of the Council this _____ day of June, 2022.

Kimberly J. Abner, Mayor

Delivered by the Mayor and recorded by me in the Minute Books of the Mayor and Council of Federalsburg this _____ day of June, 2022.

Kristy L. Marshall, Town Clerk

Approved as to form:

Lyndsey J. Ryan, Town Attorney

Date Introduced: _____

Date Amendments Introduced: _____

Date Passed: _____

Effective Date: _____