# FISCAL YEAR 2022-2027 CAPITAL IMPROVEMENT PROGRAM Report Date: 7/1/2022

PROJECT	CURRENT PHASE	APPROVED CIP BUDGET	% of full project complete	CURRENT STATUS
General Fund				
32nd & Main Street Intersection Improvements, Phase 1. Pole Mounted Speed Display Signs on Main Street	Complete	\$ 1,631,580.00	100%	Town Maintenance Department installed the signs in February 2022. VDOT inspected/approved sign installation. Next step is a post-construction speed analysis of the data collected from the new signs. The results of the speed analysis will be presented to Town Council July 26th.
Hatcher Avenue Sidewalk Improvements	Project Closeout	\$ 620,000.00	95%	Project construction is complete. Staff is preparing audit for final reimbursement request to VDOT.
Bush Tabernacle floor & bathrooms	Construction	\$ 300,000.00	70%	Project construction contract has been awarded to Oak Ridge Commercial Construction. Construction anticipated to begin end of August/beginning of September 2022. The contract requires 90 days for substantial completion, 120 for final completion.
Police Leased Facility Renovation	Bid Phase	\$ 1,000,000.00	50%	Bids are due July 25th, 3 PM.
12th Street Improvements	Land Acquistion	\$ 2,448,694.00	45%	90% design complete. ROW negotiations underway (easements on 25 out of 32 parcels have been obtained).
Main Street & Maple Avenue Intersection Ph. 2	Design	\$ 1,210,372.00	60%	90% design complete. ROW negotiations and acquisition is complete. Next steps - finalize design and specifications and submit to VDOT/FHWA for authorization to advertise.
Street Lighting, N Maple Avenue	Design	\$ 200,000.00	15%	Sent request to Dominion Power for design & construction. Met with Dominion on-site to collect information. Per Dominion, a design needs to be prepared. Staff is working with a Task Order Engineer to move the design forward.
ERP Software Phase 2	Design	\$ 70,200.00	1%	Town has received information from Tyler Tech to begin the permitting module work. Town sent preliminary project questionnaire to Tyler Tech.
Sue Kane Nature Park Multiuse trail	Design	\$ 270,000.00	25%	Project is at 90% design and currently under review by DCR and Loudoun County E&SC. Public outreach was completed via postcards to nearby residents and HOAs.
Pedestrian Linkage S. 32nd Street	Design	\$ 139,957.00	30%	60% design plans complete. Current stage is easement acquisition.
Hirst Farm Pond Conversion	Design	\$ 600,000.00	45%	95% design complete, pending resolution of comments from Loudoun County B&D (VSMP) and additional funding source. Staff is working with Task Order Contractor to prepare a proposal to address Loudoun County concerns and finalize design.
Adam's Bike Park	Design	\$ 137,500.00	35%	Town staff work to have fence installed, trees removed and drainage improvements installed is complete.  Design for the connection to the W&OD Trail is underway; survey is complete.  Ramps/equipment is in production by Progressive Bike  Ramp. Anticipated delivery and installation is early/mid-  August (no firm date has been provided).
Outdoor Stage - Dillon's woods	Pre-design: Request for Proposal (RFP) or Task Order	\$ 170,000.00	1%	FY23 & 24. Staff has reached out to Task Order Contractor Painter Lewis for assistance with estimated costs and to work with Architect for design.
32nd & Main Street Intersection Improvements, Phase 2.	Future	\$ 1,631,580.00	0%	Post-construction speed analysis has been completed. The results of the speed analysis will be presented to Town Council July 26th. Previously prepared concept plans will be discussed and staff will request guidance from the Town Council for which concept to fully develop.
Berlin Turnpike, Eastgate Dr. PHC circle Intersection	Future	\$ 700,000.00	0%	FY25 Loudoun County CIP funding. Town Council requested staff to work with Task Order Contractor to get a proposal to perform a corridor study in advance of the LC funding.

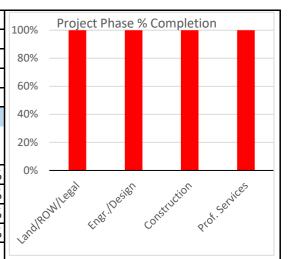
PROJECT	CURRENT PHASE	APPROVED CIP	% of full project	CURRENT STATUS
		BUDGET	complete	
S 32nd Street Sidewalk, J Street to Nursery Avenue	Future	\$ 1,292,000.00	0%	Town has been notified that VDOT revenue sharing funds (\$1,193,843) have been allocated beginning in FY25.
SR 690 N 21st Street Multiuse Trail Ph 1	Future	\$ 1,855,000.00	0%	Future with Loudoun County CIP funding FY24-25 and VDOT RS funding (\$593,398) FY25-26. VDOT Agreement will need to be executed.
G Street Sidewalk Improvements	Future	\$ 2,824,221.00	0%	Town has been notified that VDOT Transportation Alternatives grant was awarded for \$701,244. Funding requires a 20% Town Match; the initial funding will allow the start of design and partial easement acquisition. Agreement with VDOT needs to be executed. Additional funding will be needed to complete the project.
S Nursery Avenue Sidewalk	Future	\$ 1,735,000.00	0%	Loudoun County CIP funding shows in LC budget for FY25/26/27
S. 32nd Street Sidewalk J Street to Nursery Avenue	Future	\$ 1,827,800.00	0%	FY25/26 Revenue Sharing approved FY25/26, \$1.193M. Agreement will need to be executed.
S 20th Street Sidewalk, A Street to Public Works	Future	\$ 1,201,000.00	0%	Pending funding
S 20th Street Mid-block crosswalk	Future	\$ 152,000.00	0%	Pending funding
Water Fund				
Hall Avenue/O Street watermain replacement	Construction	\$ 294,400.00	70%	Bids opened February 11, 2022 and contract awarded March 2, 2022. Notice to Proceed given March 30, 2022. A material delivery delay on ductile iron pipe will delay construction start; the most recent information shows pipe delivery in December.
Intake Structure for Hirst Reservoir, including dredging	Bid Phase	\$ 1,810,000.00	70%	Removal of dead trees along reservoir access road completed. Intake is 100% designed and construction plans and contract documents have been submitted to VDH for a Certificate to Construct and Certificate to Operate Permit. Also, the Application for a Dam Alteration Permit from DCR has been approved. Project is scheduled for bid opening July 28th. Dredging work is out for bid with bids due July 28th; work to be completed after intake construction. To be funded using ARPA funds.
12th Street Watermain Replacement	Design	\$ 354,182.00	60%	Has been designed with 12th Street Improvements. 90% design complete.
WTP to Town finished Watermain replacement Phase 1	Design	\$ 2,000,000.00	25%	50% design plans are complete and under review by Staff.
Water Storage Tank, Fields Farm property	Design	\$ 3,746,000.00	5%	Project is under design, with survey work underway.  Detailed design schedule is attached to this report.
F Street watermain replacement	Design	\$ 374,400.00	25%	100% design plans submitted from consultant. ON HOLD - Additional funding needed.
Wastowater Fund				
Wastewater Fund East End Pump Station generator	Construction	\$ 277,000.00	70%	Bids opened February 18, 2022 and contract awarded March 7, 2022. Notice to Proceed given March 30, 2022. A material delivery delay on the generator will delay construction start. Estimated delivery date January 2023.
West End Gravity Sewer	Land Acquistion	\$ 561,300.00	45%	100% design plans completed but due to difficulty in ROW negotiation, a re-design is being made that will result in the need for only one remaining easement.

PROJECT	CURRENT PHASE	PROVED CIP BUDGET	% of full project complete	CURRENT STATUS
			•	
SCADA System Upgrade	Design	\$ 500,000.00		Purchase Order issued to Jacobs for design work. Jacobs has made one visit to the pump stations to assess the design requirements for remote locations. Town has executed a purchase order to Graybar for the majority of equipment needed to upgrade the PLC. Estimated completion date March 2023.  Tasks include: Kickoff meeting and project defined 1 month. Design deliverables 3 months, procurement & delivery 3 months (depending on supply chain), install equipment 2 months, Replace existing PLCs, software conversion, HMI upgrade, remote SCADA systems, startup and commissioning 2 months.

Project Name	Hatcher Avenue Sidewalk Improvements
Project Description	Project location is N. Hatcher Avenue between Hirst Road and Cornwell Ln/Skyline Dr. The project proposes to complete a missing segment of sidewalk on the east side of Hatcher Avenue and improve a section of sidewalk on the west side. In order to accommodate the new sidewalk,
	the box culvert at the stream will be extended. The project also includes drainage improvements such as curb, gutter, inlets, and storm sewer. Estimated useful life of assets is 10-20 years for streets and sidewalks.
Project Type	Pedestrian Sidewalk or Trail
	Drainage
Department Contact	Dale Lehnig, Director Engineering, Planning & Development
	Jessica Keller, Capital Projects Coordinator

#### **PROJECT BUDGET & SCHEDULE**

Land/ROW/Legal	\$9,904
Engr. Study/Design	\$238,805
Construction	\$936,370
Professional Services	\$140,000
Total Project Cost	\$1,325,079
Project Phase Progress	
Land/ROW/Legal	100%
Land/ROW/Legal Engr./Design	
	100%
Engr./Design	100% 100% 100% 100%



<b>Current Project Phase</b>	Construction
<b>Current Phase Completion</b>	Spring 2022

#### **PROJECT FUNDING**

VDOT	\$ 602,663
NVTA	\$ 314,972
Proffers	\$ 407,445
Total Programmed Funding	\$ 1,325,080

# **Project Status Update:**

Construction began June 2021 and reached substantial completion December 2021. All punch list items have been corrected with the last item, paving, re-done May 2022. Remove from current projects listing.

Project Name	Bush Tabernacle Floor & Bathrooms
Project Description	This project is to make the necessary upgrades to the Bush Tabernacle.  The Town is having a propety assessment of Fireman's Field and the Bush Tabernacle conducted, the results of which will provide a prioritized list of necessary upgrades. One necessary upgrade is to the restrooms.  The County's FY 2020 proposed CIP includes funding for necessary improvements to the floor and restrooms in the building. This funding will be available to the Town in FY21.
Project Type	Facility
Department Contact	Bob Dryden, Facilities Coordinator

#### **PROJECT BUDGET & SCHEDULE**

PROJECT BODGET & SCHEDOLE			
Budget		100	Project Phase % Completion
Land/ROW/Legal	\$	0	
Engr. Study/Design	\$	0 80	0%
Construction	\$300,00	0 60	NOC.
Professional Services	\$		770
Total Project Cost	\$300,00	0 40	9%
		20	1%
Project Phase Progress (Tabernacle Flo	oor)		
Land/ROW/Legal	C	%	%
Engr./Design	100	%	dROMI Eta IDESER CONSTRUCTION Prof. Services
Construction	5	%	ROM OBJ. D. CORSTON OF SEE
Prof. Services	C	% 3	Alkomilegy Engli Design Construction brof. Services
<b>Current Project Phase</b>	Construction	Ľ	
<b>Current Phase Completion</b>	December 2022		

#### **PROJECT FUNDING**

Loudoun County Funding	\$ 300,000
Total Funding	\$ 300,000

# **Project Status Update:**

The design engineer finalized the and specifications, and the project was advertised Spring 2022. The construction contract was subsequently awarded in June 2022, and the contractor has ordered materials. Work is anticipated to start in late August 2022.

12th Street Drainage and Road Improvements			
Drainage and street improvements including storm sewer & inlets, curb			
and gutter, sidewalk and roadway improvements. The Town applied for			
VDOT Revenue Sharing grant funding in 2016 and 2017. VDOT approved			
the funding for FY19 & FY20. This project is linked with the water fund			
project that replaces the existing 4-inch water main on 12th Street with a			
new 6-inch water main. Estimated useful life of assets is 60 years for			
storm sewers, 10-20 years for streets and sidewalks.			
Roadway			
Drainage			
Water Main Replacement			
Pedestrian Sidewalk or Trail			
Dale Lehnig, Director Engineering, Planning & Development			
Jessica Keller, Capital Projects Coordinator			

#### **PROJECT BUDGET & SCHEDULE**

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Budget		Project Phase % Completion
Land/ROW/Legal	\$200,00	100%
Engr. Study/Design	\$420,00	0 80%
Construction	\$2,145,89	2 60%
Professional Services	\$314,50	
Total Project Cost	\$3,080,39	2 40%
		20%
Project Phase Progress		
Land/ROW/Legal	80	0%
Engr./Design	90	19% 19% 19% 19% 19% 19% 19% 19% 19% 19%
Construction	(	196 18011 1081 OURTE OF SE
Prof. Services	(	18 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
<b>Current Project Phase</b>	Land/ROW/Legal	T v
<b>Current Phase Completion</b>	December 2022	

#### **PROJECT FUNDING**

VDOT	\$ 1,205,866
NVTA	\$ 1,874,526
Total Funding	\$ 3,080,392

# **Project Status Update:**

A public informational meeting was held October 7, 2020. Design is at 90%. Right of way is currently being negotiated and utility relocation is expected to begin soon. Project construction is anticipated to begin in 2023.

Project Name	Main & Maple Intersection Phase 2
Project Description	Phase 2 of the Main Street and Maple Avenue Intersection Improvements
	project envisions imporvements along S. Maple Avenue from E. Main
	Street to E. Stephens Lane. The project will add sidewalk, curb and gutter, new entrances, storm pipe and structures, and signalization
	improvements (add a left turn arrow for northbound Maple Avenue
	traffic). Estimated life is 60 years for storm sewer system, 20 years for
	street/curb/gutter/sidewalk, 5-10 years for new signal equipment.
Project Type	Roadway
	Pedestrian Sidewalk or Trail
	Drainage
Department Contact	Dale Lehnig, Director Engineering, Planning & Development
	Jessica Keller, Capital Projects Coordinator

#### **PROJECT BUDGET & SCHEDULE**

TROJECT BODGET & SCHEDOLE			
Budget			100% Project Phase % Completion
Land/ROW/Legal		\$158,000	100%
Engr. Study/Design		\$300,372	80%
Construction		\$711,000	60%
Professional Services		\$100,000	00/0
Total Project Cost		\$1,269,372	40%
			20%
<b>Project Phase Progress</b>			
Land/ROW/Legal		100%	0%
Engr./Design		90%	alkowlegg Englosign Construction Prof. Services
Construction		0%	180ml 18th Constitution of Ser
Prof. Services		0%	Land ROW Legal Engl. Design Construction Prof. Services
<b>Current Project Phase</b>	Design		•
<b>Current Phase Completion</b>	Winter 2022		

#### **PROJECT FUNDING**

VDOT	\$ 1,034,034
NVTA	\$ 231,558
Cash	\$ 3,780
Total Funding	\$ 1,269,372

# **Project Status Update:**

A public walking tour was held May 2019, and the Town issued a Notice of Willingness to hold a public hearing in January-February 2020. Right of way aquisition is complete. Engineer will finalize the design plans, specifications & estimate and submit them to VDOT for approval in the near future. Project construction is anticipated to begin in 2023.

Project Name	Street Lighting - N. Maple Avenue/LVHS area	
Project Description	The sidewalk that is along the east side of N. Maple Avenue in front of Loudoun Valley High School is somewhat dark at night due to the lack of street lighting in this area. Concern has been voiced that the lack of lighting poses a safety risk to students and others that may use the sidewalk, particularly after an evening school event. Installation and maintenance by Dominion Energy proved to be the preferred option. Staff talked with Dominion Energy, and based on the costs provided, determined an estimated \$200,000 would be needed to engineer and install lighting.	
Project Type	Pedestrian Sidewalk or Trail Facility	
Department Contact	Derek Copeland, Capital Projects & Engineering Inspector	

#### **PROJECT BUDGET & SCHEDULE**

PROJECT BODGET & SCHEDOLE			
Budget			100% Project Phase % Completion
Land/ROW/Legal		\$0	100%
Engr. Study/Design		\$0	80%
Construction		\$200,000	60%
Professional Services		\$0	0070
Total Project Cost		\$200,000	40%
			20%
<b>Project Phase Progress</b>			
Land/ROW/Legal		0%	0%
Engr./Design		15%	negal resign ction wices
Construction		0%	Landkowlleggi Engl. Design Construction Prof. Services
Prof. Services		0%	13rdi, ti, Co sic
<b>Current Project Phase</b>	Design		
<b>Current Phase Completion</b>	Spring 2023		

# **PROJECT FUNDING**

Loudoun County Funding	\$ 200,000
	\$ -
Total Funding	\$ 200,000

# **Project Status Update:**

County Funding became available in FY 22. Dominion provided preliminary information, but one of the Town's task order contractors needs to prepare the formal street lighting & photometric design. The task order contractor is expected to kickoff their design work this summer.

Project Name	Suzanne Kane Nature Park multi-use trail		
Project Description	This project will establish a multi-use path through the Town-owned		
	Suzanne R. Kane Nature Preserve that will connect current and planned		
	trails & sidewalks for residents and visitors. Those using the W&OD Trail will have a loop through the Town to enjoy a scenic route along South		
	Fork Catoctin Creek. The Trails will improve walkability in the Town, be ADA accessible, and provide new environmental stewardship		
	opportunites. THe Town received a grant from the Virginia Recreational		
	Trails program to help fund this project.		
Project Type	Pedestrian Sidewalk or Trail		
Department Contact	Bob Dryden, Facilities Coordinator		
	Jessica Keller, Capital Projects Coordinator		

#### **PROJECT BUDGET & SCHEDULE**

PROJECT BUDGET & SCHEDULE		
Budget		100% Project Phase % Completion
Land/ROW/Legal	\$0	100%
Engr. Study/Design	\$131,714	80%
Construction	\$279,204	60%
Professional Services	\$0	
Total Project Cost	\$410,918	40%
		20%
<b>Project Phase Progress (Tabernacle</b>	Floor)	
Land/ROW/Legal	09	0%
Engr./Design	909	6 CONTROL ENST, DESIGN CONSTRUCTION PROF. SERVICES
Construction	09	6 ROM OFFICE OFFICE
Prof. Services	09	6 Land ROWILERS ENST NESTED CONSTITUTION Prof. Services
<b>Current Project Phase</b>	Design	Ť
<b>Current Phase Completion</b>	Winter 2022-2023	

# **PROJECT FUNDING**

Cash	\$ 82,184
Grant	\$ 328,734
Total Funding	\$ 410,918

# **Project Status Update:**

The design plans are at 90%. Public commenting period was May 1-31, 2022. Environmental activities are currently underway, with the engineer finalizing the Categorical Exclusion to be submitted to the Virginia Department of Conservation and Recreation and then to the Federal Highway Administration.

Project Name	Pedestrian Linkage 32nd Street
Project Description	A pedestrian link is missing on the west side of S. 32nd Street between W. K Street and the alley to the north installed with Blue Ridge Estates. This project will install a pedestrian path along the frontage of S. 32nd Street in this location. The future 32nd & Main Street Intersection project will provide a connection to existing sidewalks along Main Street, and the future S. 32nd Street Sidewalk project will provide a connection to existing sidewalks on Nursery Avenue and further south along S. 32nd Street to the southern corporate limit.
Project Type	Pedestrian Sidewalk or Trail
Department Contact	Dale Lehnig, Director Engineering, Planning & Development Jessica Keller, Capital Projects Coordinator

#### **PROJECT BUDGET & SCHEDULE**

PROJECT DODGET & SCHEDOLE			
Budget			Project Phase % Completion
Land/ROW/Legal	\$5,	000	100% Froject Fliase % Completion
Engr. Study/Design	\$34,	000	80%
Construction	\$90,	957	60%
Professional Services	\$10,	000	0070
Total Project Cost	\$139,	957	40%
			20%
Project Phase Progress			_
Land/ROW/Legal		5%	0%
Engr./Design		90%	ndlROWILERS Engl. Design Construction Prof. Services
Construction		0%	180ml OBILL COURTE
Prof. Services		0%	Land ROW LEE FIRE ! Design Construction Prof. Services
<b>Current Project Phase</b>	Land/ROW/Legal		•
<b>Current Phase Completion</b>	Winter 2022		

#### **PROJECT FUNDING**

Loudoun County Funding	\$ 139,957
Total Funding	\$ 139,957

# **Project Status Update:**

Loudoun County agreed to allow the Town to use funding remaining from another pedestrian linkage project that had been previously approved through their budget on this project. Design is at 90%. Two temporary constructions easements are needed before finalizing the design. Construction is anticipated in 2023.

JULY 2022 CAPITAL PROJECT REPORT

#### **PROJECT INFORMATION**

#### **Project Name**

#### **Project Description**

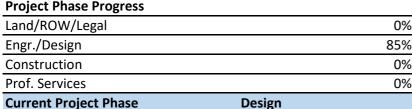
#### Hirst Farm Pond Conversion

The development of the Hirst Farm Subdivision started in 2002 and an extended detention dry pond was proposed as the storm water management facility for the entire project. During construction it was used as a sediment basin as specified in the Erosion/Siltation Control plans. Due to difficulties experienced by the developer the project was stopped before completion and the sediment basin was never retrofit to fully meet the criteria of Loudoun County for an extended detention dry pond. The Town of Purcellville now intends to explore the option of converting the existing facility into a wet pond. A wet pond is a facility that provides a permanent pool of standing water which promotes a better environment for gravitational settling, biological uptake, and microbial activity. The Town has been approved for a SLAF grant from the VA DEQ, in the amount of \$300,000. This is a 50-50 split between the Town and the grant funds. Funding will cover design, bid services and construction. However, funds for reimbursement can be requested only after a contractor has been approved to move forward with the construction. Loudoun County has contributed 25% of the funding required for this project.

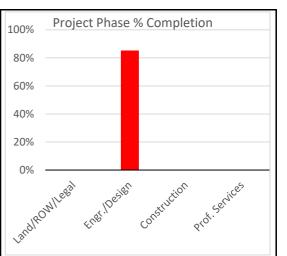
Project Type	Drainage	
Department Contact	Dale Lehnig, Director Engineering, Planning & Development	
	Jessica Keller, Capital Projects Coordinator	

#### **PROJECT BUDGET & SCHEDULE**

Budget	
Land/ROW/Legal	\$0
Engr. Study/Design	\$100,000
Construction	\$996,100
Professional Services	\$0
Total Project Cost	\$1,096,100
Duainat Phase Duaguas	



<b>Current Phase Completion</b>	Spring 2023	
PROJECT FUNDING		
SLAF Grant	\$	300,000
Cash	\$	150,000
Loudoun County Funding	\$	150,000
To Be Determined	\$	496,100
Total Funding:	\$	1,096,100



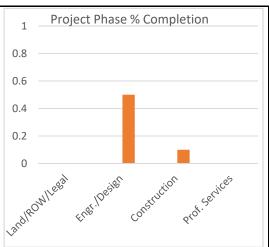
#### **Project Status Update:**

Project is on hold due the inablilty to obtain the Virginia Stormwater Mangement Program (VSMP) permit administered by Loudoun County. Per VSMP requirements, additional design work and geotechnical analyses are needed. Meeting with Loudoun County October 2021 confirmed these requirements. Awaiting proposal from task order contractor to complete a design that meets the VSMP requirements so that the project can proceed to construction.

Project Name	Adam's Bike Park
Project Description	This project includes the installation of 13 bike ramps in an area owned
	by the Town along N. Maple Avenue. Adam Caudill was 15 years old
	when he passed away in a tragedy. Adam's mother, Michelle,
	introduced the vision of Adam's Bike Park to the Town Council at the
	December 14, 2021 meeting, to honor her son who loved riding his red
	bicycle around Purcellville. The area that is proposed for the bike park is
	approximately 0.65 acres.
Project Type	Facility
Current Project Phase	Design
Department Contact	Dale Lehnig, Director Engineering, Planning & Development
	Joshua Goff, Asset Manager

# **PROJECT BUDGET & SCHEDULE**

Budget		
Land/ROW/Legal		
Engr. Study/Design		\$15,000
Construction		\$122,500
Professional Services		
Total Project Cost		\$137,500
Project Phase Progress		
Land/ROW/Legal	N/A	0%
Engr./Design		50%
Construction		10%
Prof. Services	N/A	0%



#### **PROJECT FUNDING**

ARPA	\$ 63,500
Donations	\$ 50,000
Other	\$ 24,000
Total Funding	\$ 137,500

# **Project Status Update:**

In preparation for the installation of the ramps, Town Staff has coordinated tree removal, fence construction, drainage improvements. Design for the connection to the W&OD Trail is underway. Ramps are under production by the Progressive Ramp Company. Delivery and installation is anticipated in early/mid-August 2022.

ject location is the intersection of S. 32nd Street and W. Main Street. ase 1 is a speed study followed by the installation of pole-mounted ed display signs. Phase 2 is the design and construction of the commended improvements chosen by Town Council. Options being sidered are: install a left turn lane on WB Rt. 7, install a traffic signal, call a mini-roundabout, or install traffic calming features.
ed display signs. Phase 2 is the design and construction of the commended improvements chosen by Town Council. Options being sidered are: install a left turn lane on WB Rt. 7, install a traffic signal,
commended improvements chosen by Town Council. Options being sidered are: install a left turn lane on WB Rt. 7, install a traffic signal,
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ase 1 has been completed. Phase 2 will begin soon.
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e Lehnig, Director Engineering, Planning & Development
sica Keller, Capital Projects Coordinator

#### **PROJECT BUDGET & SCHEDULE**

Budget			Project Phase % Completion
Land/ROW/Legal		\$183,300	100% Project Phase % completion
Engr. Study/Design		\$360,000	80%
Construction		\$1,212,000	60%
Professional Services		\$72,500	0070
Total Project Cost		\$1,827,800	40%
			20%
Project Phase Progress (Phase 2)			
Land/ROW/Legal		0%	0%
Engr./Design		0%	LandROWILERS EINST IDESIEN CONSTRUCTION Prof. Services
Construction		0%	BOM OF SE
Prof. Services		0%	Taugh. E. C. Sec
<b>Current Project Phase</b>	Design		•
Current Phase Start	Fall 2022		

#### **PROJECT FUNDING**

VDOT	\$ 740,867
NVTA	\$ 1,086,933
Total Funding	\$ 1,827,800

#### **Project Status Update:**

Speed Study approved by VDOT allowing the Town to extend the 25mph speed zone further west and to install flashing speed display signs. Signs installed February 2022. New speed data was collected and analyzed. Results, reccommendations and review of previously designed concepts will be presented to Town Council on July 26th. Town Council to provide directions on the scope of Phase 2.

# **Project Name**

#### **Project Description**

#### Berlin Turnpike, Eastgate Dr. PHC circle intersection

Currently, the intersection of Berlin Turnpike, Eastgate Drive and Patrick Henry Circle (see Attachments 1 for maps showing the location of the intersection) operates at a level of service F during weekday commuter peak hours. This level of service was noted in the most recent traffic study for this area, which was prepared as a part of the Purcellville Gateway proposed expansion of Harris Teeter and the child care center. Purcellville Gateway Traffic Impact Study dated October 27, 2017 and revised on March 2, 2018 shows that the Eastgate Drive and Patrick Henry Circle intersection approaches operate at level of service F during the weekday commuter peak hours under existing conditions (2017). The study identifies a traffic signal as a potential improvement to mitigate the high delay and poor level of service. The Town has requested CIP funding from Loudoun County. They have proposed funding this project in FY 2024-2025. This project will only proceed if Loudoun County funding is received.

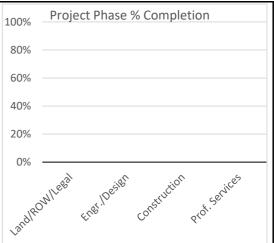
Project Type	Roadway
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**Department Contact** 

Dale Lehnig, Director Engineering, Planning & Development

#### **PROJECT BUDGET & SCHEDULE**

	\$0
	\$150,000
	\$550,000
	\$0
	\$700,000
	0%
	0%
	0%
	0%
Design	
Fall 2025	



#### **PROJECT FUNDING**

Loudoun County Funding	\$ 700,000
Total Funding	\$ 700,000

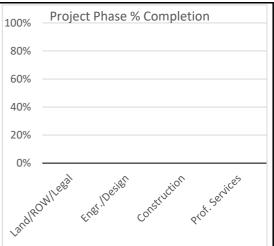
#### **Project Status Update:**

Project is dependent on the receipt of Loudoun County CIP funding (FY 2024-2025). The Loudoun County Route 7 & 287 Interchange Project is separate from this project.

Project Name	SR690 N 21st Street Multi-use trail, Phase 1
Project Description	One of the Town's overall strategic goals is to make Purcellville a walkable/bikeable community, connecting sidewalks, paths, and trails.  The Town is proposing a contiguous, multi-use path around the Town of
	Purcellville that will give pedestrians, cyclists, and those using other non-motorized vehicles a safe corridor to travel through Town without a vehicle. This path will connect to the W&OD Regional Trail, allowing those who use that trail to access easily and safely businesses and attractions in Town and points east in Loudoun County.
Project Type	Pedestrian Sidewalk or Trail
Department Contact	Dale Lehnig, Director Engineering, Planning & Development Jessica Keller, Capital Projects Coordinator

# **PROJECT BUDGET & SCHEDULE**

Budget			1000/ Pro
Land/ROW/Legal		\$74,000	100%
Engr. Study/Design		\$464,000	80%
Construction		\$1,143,318	60%
Professional Services		\$279,350	0070
Total Project Cost		\$1,960,668	40%
			20%
Project Phase Progress			2070
Land/ROW/Legal		0%	0%
Engr./Design		0%	LandRowllegg
Construction		0%	12011
Prof. Services		0%	andl.
<b>Current Project Phase</b>	Design		
<b>Current Phase Start</b>	Fall 2025		



#### **PROJECT FUNDING**

Loudoun County Funding	\$ 1,205,000
VDOT	\$ 750,000
NVTA	\$ 5,668
Total Funding	\$ 1,960,668

# **Project Status Update:**

Loudoun County Funding is not available until FY 24. Additionally, the Town has applied for VDOT Revenue Sharing Funding.

Project Name	Hall Avenue/O Street Water Main Replacement
Project Description	This project is for the replacement of approximately 1,000 LF of 4-inch water main with new 6-inch water main. The existing water main has had two breaks during the past year. Additionally, a new (by-right) subdivision is proposed for the west side of Hall Avenue; a new main would provide a more reliable connection for the subdivision. The O Street water main replacement was recommended for completion for the years 2015-2019 in the "Water Distribution System Capital Improvements Plan", October 2010, due to the advancing age of the pipe and to improve fire flow capabilities in the area. Estimated useful life of the new pipe is 60 years or more.
Project Type	Water Main Replacement
Department Contact	Dale Lehnig, Director Engineering, Planning & Development Jessica Keller, Capital Projects Coordinator

# **PROJECT BUDGET & SCHEDULE**

Budget			100% Project Phase % Completion
Land/ROW/Legal			100%
Engr. Study/Design		\$38,300	80%
Construction		\$318,375	60%
Professional Services		\$36,800	0070
Total Project Cost		\$393,475	40%
			20%
Project Phase Progress			
Land/ROW/Legal		0%	0%
Engr./Design		100%	Land ROW Lead Engl. Design Construction Prof. Services
Construction		5%	180ml of Ser
Prof. Services		0%	l'augh, Er Co bro
<b>Current Project Phase</b>	Construction		•
<b>Current Phase Completion</b>	Summer 2023		

#### **PROJECT FUNDING**

Cash	\$ 393,475
Total Funding	\$ 393,475

# **Project Status Update:**

Project is awarded. There is a long lead time for the ductile iron pipe, and the expected delivery date is not until December. Project will likely not begin active construction until Spring 2023.

# **Project Name**

#### **Project Description**

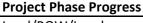
#### Hirst Reservoir Improvements

The Hirst Reservoir was constructed with a multi-level intake stucture to allow operators to withdraw water from different levels in the reservoir. This ability gave operators the flexibility to withdraw water with the best quality. Several years ago, the dock leading to the intake structure and the top of the structure becme structurally unstable, collapsed and the dock and the top portion of the intake; several of the gates and valves in the structure are considered inoperable. Additionally, the sluice gate that would allow operators to remove sediment from the bottom of the reservoir has not been operated for many years and is considered inoperable. This has allowed sediment laden with algae to build up in the reservoir, which further affects the water quality. This project involves the design and installation of a new intake structure and sluice gate to replace the broken and inoperable structures to allow operators to properly manage the reservoir and maximize water quality. It will add storage capacity to the system, but will not increa the yield (GDP) capacity. Asset useful life 25-50 years.

Project Type	Water Infrastructure
Department Contact	Dale Lehnig, Director Engineering, Planning & Development
	Andrea Broshkevitch, GIS & Special Projects Coordinator

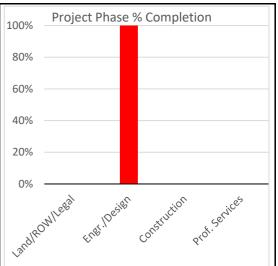
#### **PROJECT BUDGET & SCHEDULE**

Budget	
Land/ROW/Legal	\$0
Engr. Study/Design	\$280,000
Construction	\$810,000
Professional Services	\$0
Dredging	\$900,000
Total Project Cost	\$1,990,000



Current Project Phase	Construction
Prof. Services	0%
Construction	0%
Engr./Design	100%
Land/ROW/Legal	0%

11011 00111000		
<b>Current Project Phase</b>	Construction	
<b>Current Phase Start</b>	Fall 2022	



#### **PROJECT FUNDING**

ARPA Funding	\$ 1,810,000
Cash	\$ 180,000
Total Funding	\$ 1,990,000

#### **Project Status Update:**

Improvements (Intake) project and Dredging project are being advertised simultaneously. Bids are due July 28, 2022.

Project Name	12th Street Water Main Replacement
Project Description	This project will occur as a part of the proposed street and drainage improvements associated with the 12th Street GF CIP project. The project will consist of replacing the existing 4-inch water main between Main Street and G Street with a new 6-inch DIP. The replacement of the waterline was identified in the 2010 Water Distribution System CIP plan. The 12th Street roadway & drainage improvements were approved for VDOT Revenue Sharing funding, but the watermain improvements are considered a betterment that must be paid through Town funds. Estimated useful life of the new pipe is 60 years or more.
Project Type	Water Main Replacement
Department Contact	Dale Lehnig, Director Engineering, Planning & Development Jessica Keller, Capital Projects Coordinator

#### **PROJECT BUDGET & SCHEDULE**

PROJECT BODGET & SCHEDOLE			
Budget			Project Phase % Completion
Land/ROW/Legal		\$0	100% Project Phase % Completion
Engr. Study/Design		\$64,062	80%
Construction		\$455,075	60%
Professional Services		\$0	0070
Total Project Cost		\$519,137	40%
			20%
Project Phase Progress			
Land/ROW/Legal		0%	0%
Engr./Design		90%	Land ROW Lead Engl. Design Construction Prof. Services
Construction		0%	180ml 1981 OUSTIN St. Se.
Prof. Services		0%	"augh, fr. Co bye
<b>Current Project Phase</b>	Design		
<b>Current Phase Completion</b>	Winter 2022		

#### **PROJECT FUNDING**

VDOT	\$ 255,075
Cash	\$ 264,062
Total Funding	\$ 519,137

# **Project Status Update:**

Water line design and construction is concurrent with the 12th Street Improvements General Fund Capital Improvements Program project, which is currently at 90% design and in the Right of Way phase. Construction is anticipated in 2023.

Project Name	
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# WTP to Town Water Main Replacement Ph 1

**Project Description** 

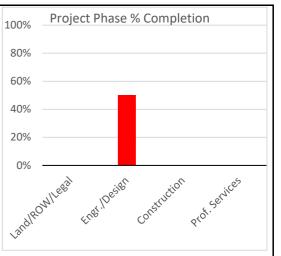
This project proposes to replace over 5,000 LF of existing cast iron water main that was installed in the 1960's. The existing main is 12"; this project envisions the installation of a larger diameter main to accommodate increased flows to the Town with the construction of the Jeffries well treatment facility. The existing main currently carries about half of the Town's water supply into the Town. A break in this main would diminish the supply to the Town in half. There is an existing 25 ft easement which, with the removal of the original 6-inch main that served the Town, should be sufficient easement - legal and easement/ROW costs should be limited. Estimated useful life of the new pipe is 60 years or more.

Project Type	Water Main Replacement
Department Contact	Dale Lehnig, Director Engineering, Planning & Development

#### **PROJECT BUDGET & SCHEDULE**

**Budget** 

<b>Current Phase Completion</b>	Winter 2022
<b>Current Project Phase</b>	Design
Prof. Services	0%
Construction	0%
Engr./Design	50%
Land/ROW/Legal	0%
Project Phase Progress	
Total Project Cost	\$2,000,000
Professional Services	\$200,000
Construction	\$1,200,000
Engr. Study/Design	\$500,000
Land/ROW/Legal	\$100,000



#### **PROJECT FUNDING**

ARPA Funding	\$ 2,000,000
Total Funding	\$ 2,000,000

#### **Project Status Update:**

The project is using ARPA funding. Survey work completed in February 2022. 50% plans submitted May 2022 and are currently under review/discussion. Final Plans expected Fall 2022. Construction is anticipated in 2023.

Project Name
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# New Finished Water Storage Tank

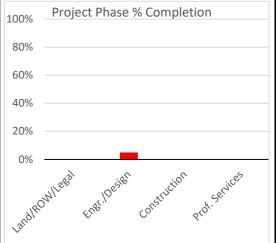
#### **Project Description**

A new finished water storage tank was identified as a high priority in the 2021 Water Resources Update. The new tank will increase the Town's effective storage which is currently less than recommended by VDH. The new tank will be 500,000 gallons and located at Fields Farm. The additional storage will provide drought resiliency, increase the reliability of the wate system, provide additional storage for fire flow, and allow for greater flexibility with regular maintenance of the existing water storage tanks in the Town's water system. It will further minimize the chances of contamination due to a decrease in water system pressure caused by high usages, drought conditions or water main breaks.

Project Type	Water Infrastructure
Department Contact	Dale Lehnig, Director Engineering, Planning & Development

#### **PROJECT BUDGET & SCHEDULE**

Budget			1000/	Project Phase %
Land/ROW/Legal		\$22,000	100%	
Engr. Study/Design		\$394,000	80%	
Construction		\$3,330,000	60%	
Professional Services			0070	
Total Project Cost		\$3,746,000	40%	
			20%	
<b>Project Phase Progress</b>			2070	
Land/ROW/Legal		0%	0%	
Engr./Design		5%		Juli egal Lifet l Design
Construction		0%	180	on seril
Prof. Services		0%	'sudl'	Juliegal Eregilbesell (
<b>Current Project Phase</b>	Design			
<b>Current Phase Completion</b>	Winter 2022			



#### **PROJECT FUNDING**

ARPA Funding	\$ 3,746,000
Total Funding	\$ 3,746,000

#### **Project Status Update:**

The project is using ARPA funding. Survey work is currently underway. 30% Plans expected Fall 2022. Construction is anticipated in late 2023.

Project Name	East End Pump Station Generator
Project Description	FY 2018 included a new generator for the East End Pump Station. A portion of that funding was transferred to the membrane replacement project. A preliminary engineering report (PER) for the East End Pump Station suggests that a replacement facility is the recommended alternative due to its long design life with a pump station that will meet future flows with low operational requirements and aesthetics to match the surrounding area. An on-site diesel pump was added to the pump station in FY20, which provides redundancy in the event of a pump and power failure. Also in FY20. the old generator broke down. It was difficult to find parts since the generator is old. Staff suggests a replacement of the generator in FY21, and has requested our task order consultant to provide specifications for a generator that could be used in a future upgrade to the East End Pump Station. Estimated useful life of a new generator is 20-25 years.
Project Type	Facility Sanitary Sewer Main Replacement or Rehabilitation
Department Contact	Dale Lehnig, Director Engineering, Planning & Development Jessica Keller, Capital Projects Coordinator

#### **PROJECT BUDGET & SCHEDULE**

PROJECT BODGET & SCHEDOLE			1
Budget			100% Project Phase % Completion
Land/ROW/Legal		\$0	100%
Engr. Study/Design		\$45,000	80%
Construction		\$232,640	60%
Professional Services		\$0	0070
Total Project Cost		\$277,640	40%
			20%
<b>Project Phase Progress</b>			
Land/ROW/Legal		0%	0%
Engr./Design		100%	adled MI Legal Life Construction Root Services
Construction		5%	ROM OF DESTRUCTION
Prof. Services		0%	Land ROM Legal Engl. Delet Construction Prof. Services
<b>Current Project Phase</b>	Construction		
<b>Current Phase Completion</b>	Summer 2023		

#### **PROJECT FUNDING**

Cash	\$ 277,640
Total Funding	\$ 277,640

# **Project Status Update:**

Project has been awarded. Generator has a long lead time of  $\sim$ 46 weeks. Project is not expected to be complete until Summer 2023.

Project Name	
Project Description	

# West End Gravity Sewer

Through an oversizing agreement, the town has negotiated with the developer of the "Ball propety" wherby the developer will construct a station to the Town specifications and oversized to handle the flows from the proposed development as well as present and future lows to the location of the existing West End Pump Station (WEPS). The Town will need to abandon the WEPS and construct the gravity sanitary sewer to connect to the sewer constructed by the developer.

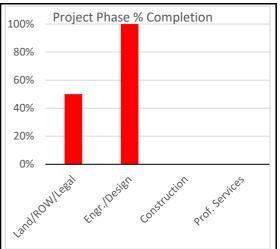
The new west end gravity sewer and abandonment of the WEPS is ongoing. The new Blue Ridge Estated pump station is functional. Once the new gravity sewer is installed from the existing WEPS, the WEPS can be abandoned. Estimated useful life of the new gravity sewer is 60 years.

Project Type	Sanitary Sewer Main Replacement or Rehabilitation
Department Contact	Dale Lehnig, Director Engineering, Planning & Development
	Jessica Keller, Capital Projects Coordinator

#### **PROJECT BUDGET & SCHEDULE**

**Budget** 

<b>Current Phase Completion</b>	Fall 2023
<b>Current Project Phase</b>	Land/ROW/Legal
Prof. Services	0%
Construction	0%
Engr./Design	100%
Land/ROW/Legal	50%
<b>Project Phase Progress</b>	
Total Project Cost	\$775,010
Professional Services	\$0
Construction	\$618,250
Engr. Study/Design	\$48,760
Land/ROW/Legal	\$108,000
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#### **PROJECT FUNDING**

Cash	\$ 775,010
Total Funding	\$ 775,010

#### **Project Status Update:**

Design is complete. Town's contractor is negotiating with affected property owners for the needed utility easements.