

STATE OF NEW YORK
TOWN OF OLIVE

NY STATE
CDBG-DISASTER RECOVERY PROGRAM



APPLICATION FOR FUNDING
BUSHKILL STREAM & STREAMBANK
REHABILITATION PROJECT

FEBRUARY, 2016

PREPARED BY

HUNT, GUILLOT, & ASSOCIATES, LLC
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Proof of Publication of Public Notice
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HUD Block Group Documentation

General Description Form

Place a check mark in the appropriate box: Original Application Amended Application

<p>Applicant Name, Address, Phone and Fax Nos.:</p> <p>Town of Olive 45 Watson Hollow Road West Shokan, NY 12494</p> <p>Phone: (845) 657-8118 Fax: N/A</p>	<p>Project Name:</p> <p>Bushkill Stream & Streambank Rehabilitation</p> <p>Project Address:</p> <p>Bushkill Stream, from Ulster County Route 42 Bushkill Bridge to intersection of Bushkill & NY Route 28A</p>
<p>Applicant's Contact Person Name, Address, Phone Number, Email Address, DUNS Number, and SAM CAGE Code Number.</p> <p>Sylvia Rozzelle, Supervisor 45 Watson Hollow Road West Shokan, NY 12494</p> <p>Phone: (845) 657-8118 Email: olivesupervisor@hvc.rr.com</p> <p>DUNS: 9604264 SAMS Cage Number: 7BPC7</p>	<p>Name, Address, Phone Number and Email Address of HGA Administrative Consultant: (if applicable)</p> <p>Bill Blankenship 185 Green Street, Ste. 1 Kingston, NY 12401 Phone: (678) 357-1723 Email: wblankenship@hga-llc.com</p> <p>Name, Address, Phone Number and Email Address of GOSR Project Manager:</p> <p>Amanda Hansen 99 Washington Avenue, Ste. 1224 Albany, NY 12260 Phone: (518) 473-0099 Email: Amanda.Hansen@stormrecovery.ny.gov</p>
<p>Name, Address, Phone Number and Email Address of Architectural/Engineering Firm:</p> <p>TBD</p>	<p>National Objective to be Addressed (check one).</p> <p><input type="checkbox"/> Activities Benefiting Low/Moderate Income Persons</p> <p><input type="checkbox"/> Prevention/Elimination of Slums or Blight</p> <p><input checked="" type="checkbox"/> Urgent Need</p> <p><input type="checkbox"/> Not Applicable—Planning</p>

Project Funds	Amount	Source and Status of Funds
CDBG-DR	\$1,000,000.00	CDBG-DR Public Facilities
Local Funds	\$0.00	
Private Funds	\$0.00	
Other State Funds	\$0.00	
Federal Funds (non-CDBG-DR)	\$0.00	
Other Funds	\$0.00	
TOTAL FUNDS	\$1,000,000.00	
Signature (Authorizing Official) and Date Signed		Typed Name/Title (Authorizing Official)
		Sylvia Rozzelle, Supervisor

6. Indicate by means of an “x” as to whether the proposed project will involve a community-wide benefit or a target area(s) and enter the zip code of the project. If a target area is involved, enter the name(s) and zip code of the target area(s).

Community-wide (Zip Code: _____) Target Area(s)

Name and Zip Code of Target Area: West Shokan, Tract 951000.01 – Zip Code: 12494

Name and Zip Code of Target Area: _____

Name and Zip Code of Target Area: _____

Community-wide projects should use the zip code of the location of city hall. Target-area projects should use the zip code of the target area where the majority of the construction funds will be spent (for each target area). If the target area(s) does not have a name, please provide a brief geographical description of the area such as “western portion of the city.”

7. Provide Lat/Long for the Project Location at or near the geographical center:

Bushkill: Latitude: 41.971128 Longitude: -74.287147

8. How many other projects funded with CDBG-DR funds relate to the project: None

9. Does the project relate to any other project GOSR should be aware? No

10. Does the project encompass multiple counties: Yes No

11. If the proposed project is a “covered project,” please provide a narrative describing the “**Resilience Performance Standards**” to be used in the design/implementation of the project below.

N/A

12. If the proposed project is a “covered project,” please provide a narrative describing the “**Green Infrastructure Project Activities**” to be used in the design/implementation of the project below. For the purpose of completing this section, green infrastructure is defined as the integration of natural systems and processes, or engineered systems that mimic natural systems and processes, into investments in resilient infrastructure. “Green Infrastructure” takes advantage of the services and natural defenses provided by land and water systems such as wetlands, natural areas, vegetation, sand dunes, and forests, while contributing to the health and quality of life of those in recovering communities.

N/A

13. If the proposed project is a “covered project,” please provide a narrative describing the “**Transparent and Inclusive Decision Processes**” undertaken in selection of the proposed project. Include accessible public hearings and other processes to advance the engagement of vulnerable populations.

N/A

14. If the proposed project is a “covered project,” please provide a narrative describing the “**Long Term Efficacy and Fiscal Sustainability**” plans to monitor and evaluate efficacy and sustainability, including how it will reflect changing environmental conditions (such as sea level rise or development patterns) with risk management tools, and/or alternate funding sources, if necessary.

N/A

15. If the proposed project is a "covered project," please provide a narrative describing how the project will align with the commitment expressed in the President's Climate Action Plan to "identify and evaluate additional approaches to improve our natural defenses against extreme weather, protect biodiversity, and conserve natural resources in the face of changing climate..."

N/A

16. Has an amendment to the Action Plan to include this project been submitted to HUD?
 Yes; No;

17. What is the status of the amendment request? Provide a narrative describing the status of the amendment request. (Include date of submission, date of approval, any requests for additional information, and current status)

N/A

18. Is this project receiving FEMA Public Assistance funding: Yes No

19. Is this project receiving FEMA Public Assistance 406 Hazard Mitigation Funds:
 Yes No

Please provide the FEMA Project Worksheet number(s) for this project application: N/A

(The FEMA project work sheet number should include the FEMA disaster declaration number in the first four (4) digits and the project worksheet number in the last five (5) digits. A Hurricane Sandy related project with the project worksheet "567" would be entered as "4085-00567")

20. Is this project receiving FEMA Section 404 Hazard Mitigation funds:
 Yes No

21. Is this project receiving any Army Corps of Engineers funding:
 Yes No

If yes, please provide the type of funds applied for and application number: N/A

22. Is this project receiving any Environmental Protection Agency funds:
 Yes No

If yes, please provide the type of funds applied for and application number: N/A

23. Is this project receiving any Department of Energy funds:
 Yes No

If yes, please provide the type of funds applied for and application number: N/A

24. Is this project receiving any Department of Transportation funds:
 Yes No

If yes, please provide the type of funds applied for and application number: N/A

25. Is this project receiving any Department of the Interior fund:
 Yes No

If yes, please provide the type of funds applied for and application number: N/A

BUDGET/COST SUMMARY FORM

PROJECT NAME: Bushkill Stream & Streambank Rehabilitation

(A) Costs by Activity	(B) CDBG-DR	(C) Other	(D) Total	(E) Source
1. Acquisition of Real Property	\$0.00	\$0.00	\$0.00	
2. Public Facilities and Improvements	\$1,000,000.00	\$0.00	\$1,000,000.00	CDBG-DR
3. Rehabilitation Loans and Grants (Hook-ups)	\$0.00	\$0.00	\$0.00	
4. Clearance Activities	\$0.00	\$0.00	\$0.00	
5. Public Services	\$0.00	\$0.00	\$0.00	
6. Other (identify)	\$0.00	\$0.00	\$0.00	
7. Project Delivery Costs	\$0.00	\$0.00	\$0.00	
8. Administration	\$0.00	\$0.00	\$0.00	
TOTAL	\$1,000,000.00	\$0.00	\$1,000,000.00	

Architectural/Engineering (A/E) costs must be included in one of the activity costs above.

HUD Matrix Code: 03I (Flood and Drainage Facilities)

CDBG-DR PROGRAM TIME SCHEDULE

APPLICANT NAME: Town of Olive, NY

MILESTONES	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 5	Quarter 6	Quarter 7	Quarter 8	Quarter 9	Quarter 10	Quarter 11	Quarter 12
Activity: Public Facilities & Improvements												
a. Environmental Review	-----	→→→	→→→	→→→	→→→	→→→						
b. Engineering Design	-----	→→→	→→→	→→→	→→→	→→→	→→→	→→→	→→→	→→→	→→→	→→→
c. Bidding/Award	-----						→→					
d. Construction	-----						→→	→→→	→→→	→→→	→→→	→
e. Closeout	-----											→→

Provide the following dates:

*Required

*ERR Complete Date: June 2017

Construction Start Date: August 2017

*Construction End Date: October 2018

Acquisition/Closing: N/A

Designs Complete: May 2017

ACTIVITY BENEFICIARY FORM

Community-Wide Target Area Combined

Project:
Bushkill Stream & Streambank Improvements

List name of each activity excluding Admin & Acquisition:	1) Public Facilities & Improvements		2)		3)	
	#	%	#	%	#	%
Persons (total):	1,465					
Total LMI Income:	405	27.6%				
Low Income:	190	20.2%				
Owner (for Rehab activity <u>only</u> , i.e. hookups):						
Renter (for Rehab activity <u>only</u> , i.e. hookups):						
Moderate Income:	215	14.7%				
Owner (for Rehab activity <u>only</u> , i.e. hookups):						
Renter (for Rehab activity <u>only</u> , i.e. hookups):						
Medium Income:	340	23.2%				
Owner (for Rehab activity <u>only</u> , i.e. hookups):						
Renter (for Rehab activity <u>only</u> , i.e. hookups):						

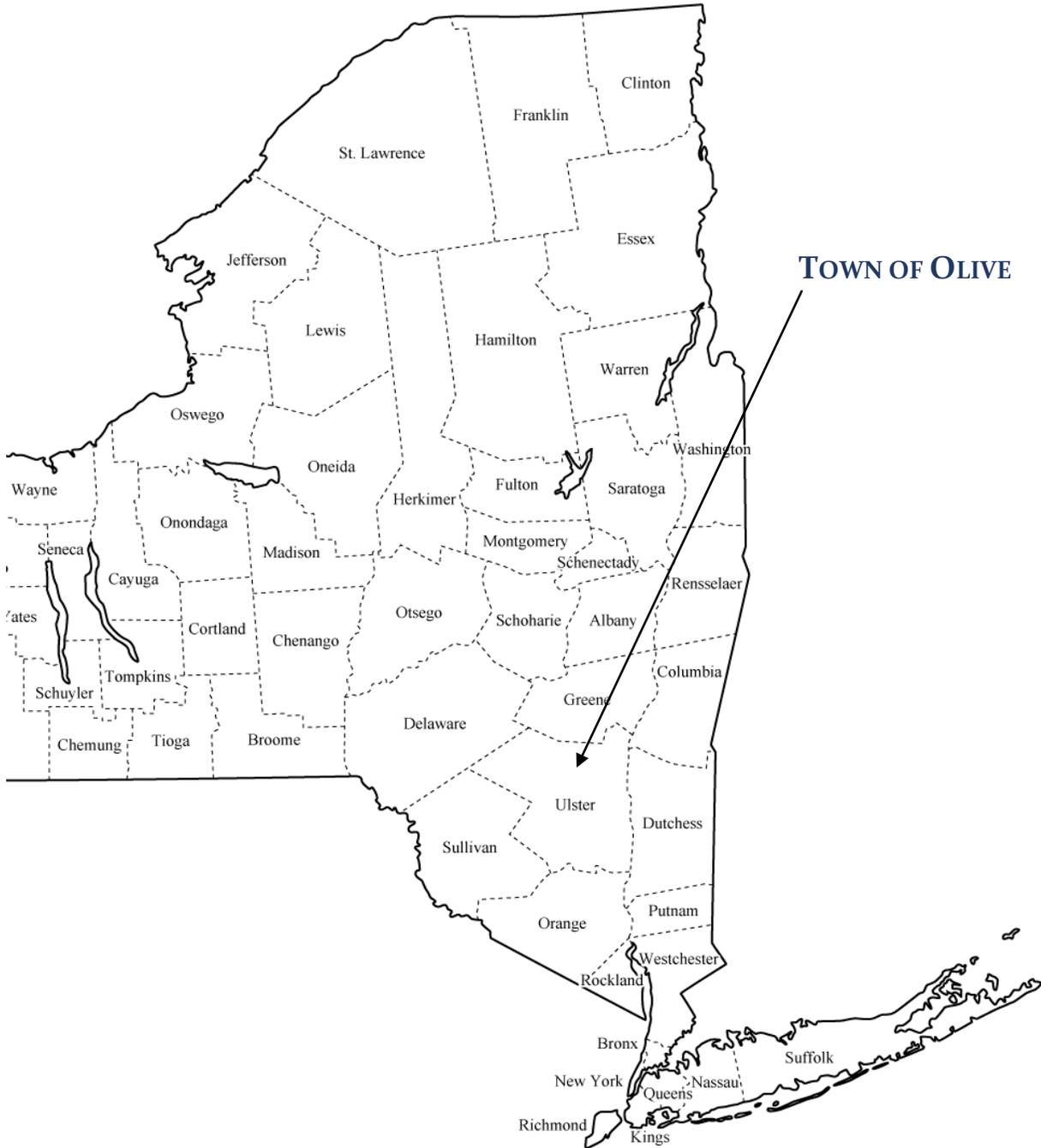
Race and Ethnicity	Percent (%)	Percent (%)	Percent (%)
White:	95.6%		
Black or African American:	0.6%		
American Indian or Alaskan Native:	0.3%		
Asian:	1.0%		
Native Hawaiian or Other Pacific Islander:	0.0%		
Other:	2.5%		
Hispanic or Latino	2.7%		

Data Sources:

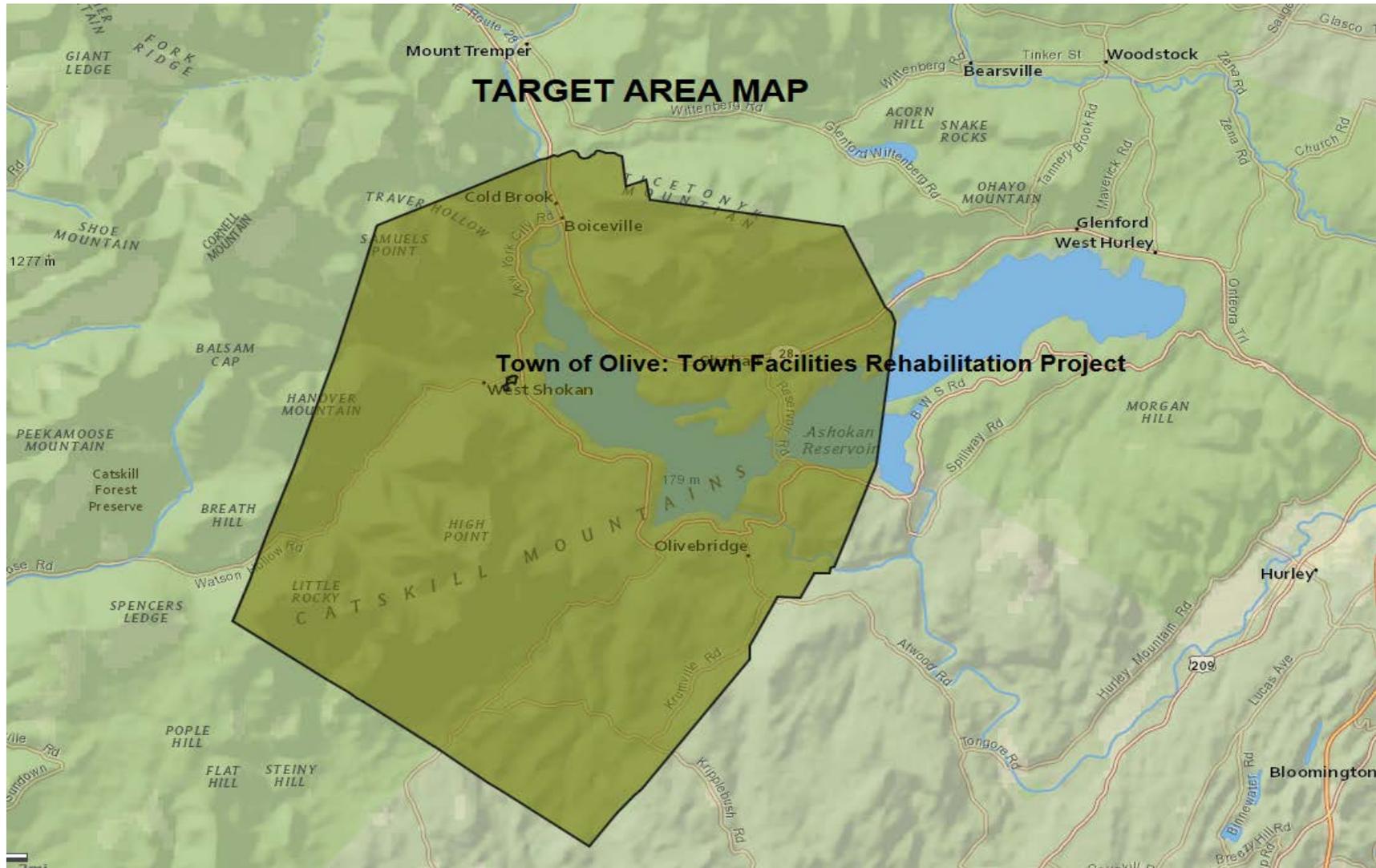
Low and moderate income persons for area benefit activities were determined using the 2006-2010 American Community Survey.

Percentages for race and ethnicity for area benefit activities were determined using the Census 2010 SF-1 100% data, Tables P3-Race, and P4-Hispanic or Latino Origin.

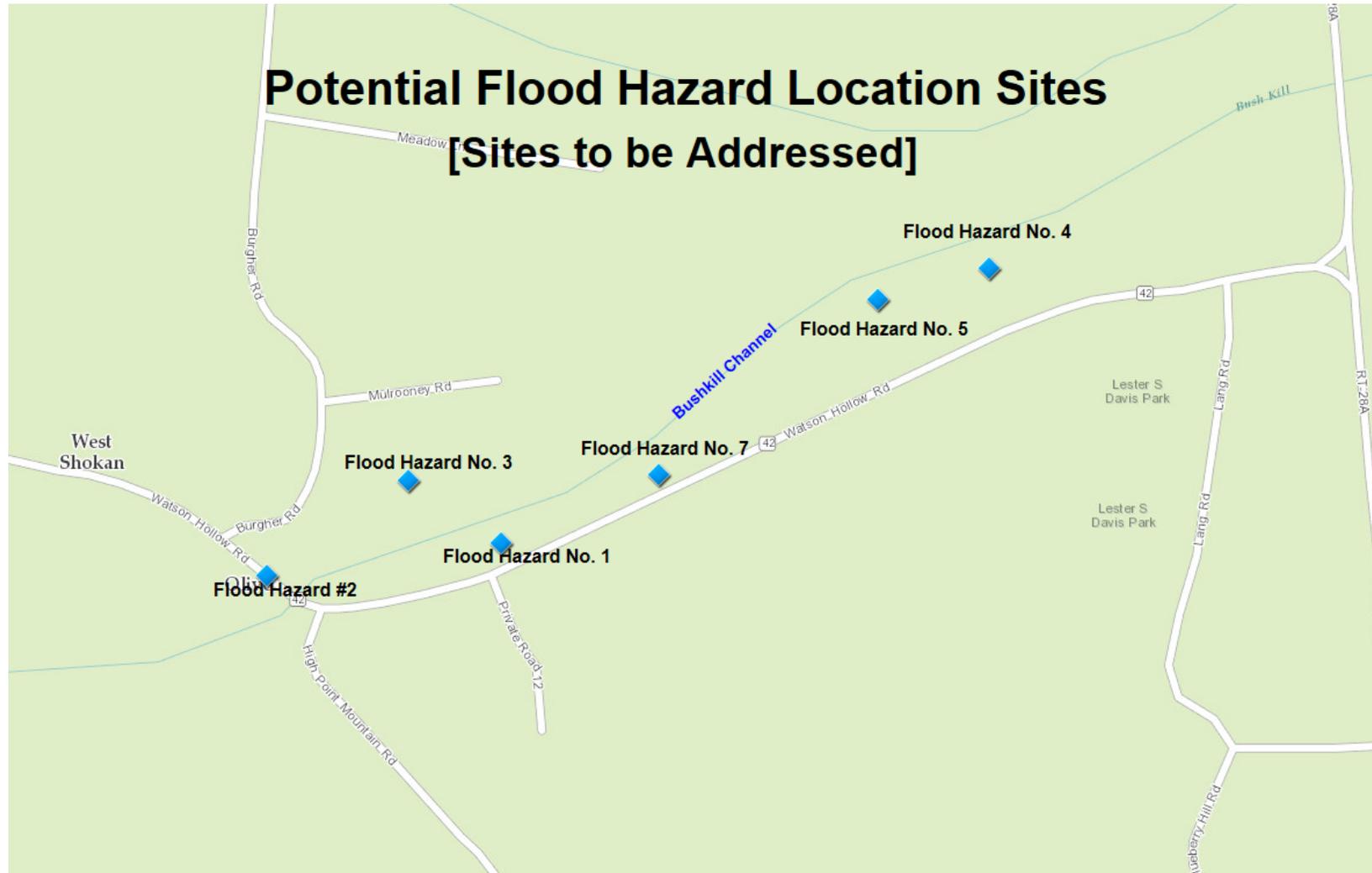
VICINITY MAP



TARGET AREA MAP



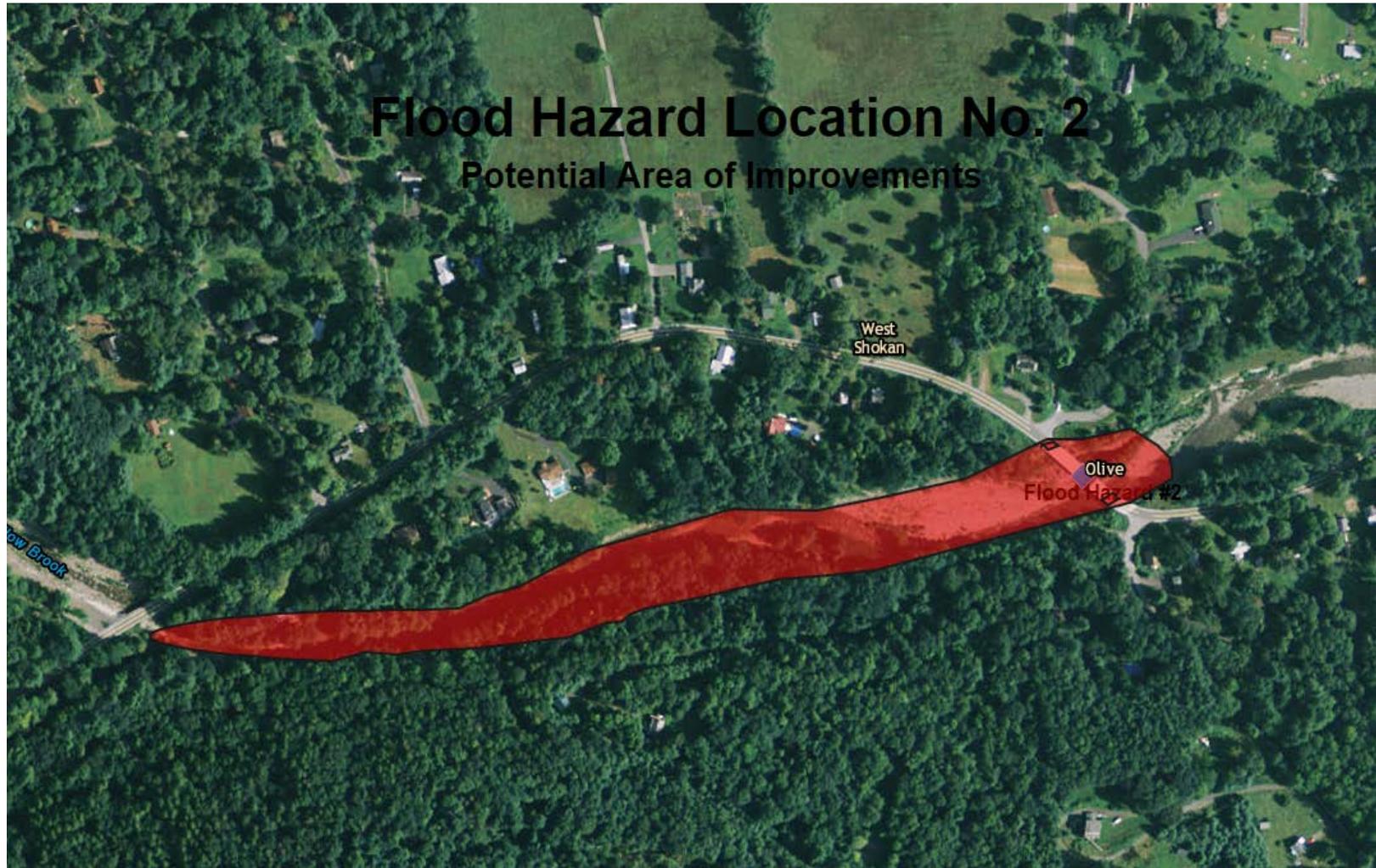
PROJECT SITE MAP: ALL LOCATIONS



PROJECT SITE MAP: POTENTIAL FLOOD HAZARD LOCATION SITE No. 1



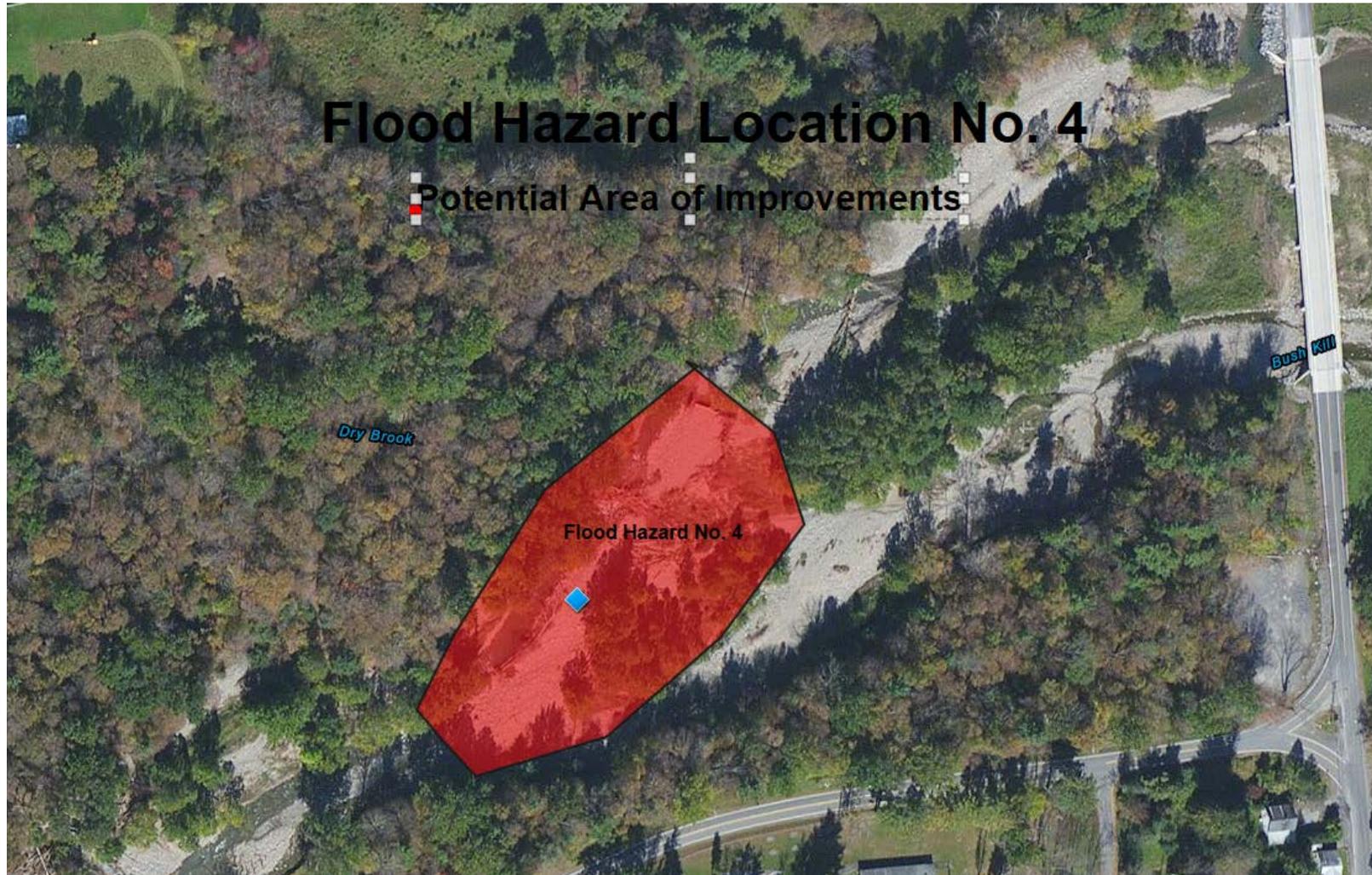
PROJECT SITE MAP: POTENTIAL FLOOD HAZARD LOCATION SITE No. 2



PROJECT SITE MAP: POTENTIAL FLOOD HAZARD LOCATION SITE No. 3



PROJECT SITE MAP: POTENTIAL FLOOD HAZARD LOCATION SITE No. 4



PROJECT SITE MAP: POTENTIAL FLOOD HAZARD LOCATION SITE No. 5



PROJECT SITE MAP: POTENTIAL FLOOD HAZARD LOCATION SITE No. 7



PROJECT DESCRIPTION.

The Town of Olive is requesting \$1,000,000.00 in CDBG-DR funding for design and construction of improvements to approximately 3,060 linear feet of the Bushkill stream channel and stream banks, as well as repairs to abutments of a bridge span that crosses Bushkill, designated as County Route 42, in the Hamlet of West Shokan and Town of Olive, New York. This project will involve rehabilitation of six (6) Potential Flood Hazard Areas (PFHA's) along a reach of the Bushkill, from the Route 42 Bridge, east to the intersection of the Bushkill with NY Route 28A bridge. These PFHA's have been identified as significant areas of concern by the Town of Olive through a Local Flood Analysis conducted by New York City Department of Environmental Protection through the Cornell Cooperative and Ashokan Watershed Stream Management Program.

During Hurricane Irene and Tropical Storm Lee, torrential rainfall caused widespread flooding throughout the Esopus watershed, including the Bushkill, which runs parallel to County Route 42, in West Shokan. As a result of the flooding, this hamlet, which is the site of the Olive's government, Department of Public Works, Highway Department, the West Shokan Fire Department, and hundreds of homes, were completely isolated from surrounding areas during the floods. Those seeking to receive and give assistance during the flooding were forced to make 1.5 hour detours around the flooding through Sullivan County. After floodwaters receded, it was clear to town officials that the flooding also resulted in significant erosion of the Bushkill's channel and banks that resulted in constructions, reduced capacity, and in at least one area, a shift in the channel's course, that, if not addressed, would present an immediate danger to County Route 42 and properties on the north and south banks of the channel.

Following the storm events, the town undertook to carry out a Local Flood Analysis (LFA) within the existing Stream Management Implementation Program to determine the conditions contributing to inundation of public and private infrastructure associated with high water flows during future events and develop mitigation strategies to address flood hazards. The firm selected to carry out the LFA has identified seven (7) potential flood hazard areas along the Bushkill, from Maltby Hollow Bridge (at the confluence of Maltby Hollow Creek and the Bushkill) to the Bushkill's intersection with NY Route 28A. The town has elected to select six (6) of the seven (7) potential flood hazard areas to be addressed through the New York Rising Community Recovery Program. The following list of potential flood hazard areas are numbered in accordance with a narrative report associated with the published LFA:

- **Potential Flood Hazard Location #1:** This site is located 350' downstream of the Bushkill Bridge along the right bank. This historic flow path runs down through multiple homes along Lang Road. There are several homes that have reported an underground stream that has moving water in this area. This is evidence that the historic flow path is a low spot in the valley and was once occupied by the Bushkill. Field survey results show several depositional features accumulating near the mouth of this historic flow path at Location #1.

The concern is that additional blockage could reduce flood conveyance volume and cause water to flow down the historic flow path leading to inundation of homes. The design goal of this location is to reduce the risk of channel migration through bank armoring and/or other acceptable measures.

- **Potential Flood Hazard Location #2:** The Bushkill Bridge is a vital transportation route for the citizens who live in the Hamlet of West Shokan. If the bridge were to be rendered unusable, the residents of 183 homes would need to make a detour of at least 1.25 hours through Sullivan County for emergency services, provisions, school and work. The left side of the Bushkill Bridge (looking downstream) is filled with sediments from a large depositional feature (gravel/cobble bar). This blockage has reduced flood conveyance volume along the left bank and forced most of the flood flows along the right bank. With more water being forced along the right bank, the speed of water (velocity) has increased, resulting in erosion of the Bushkill's channel bottom. The concern is if this bridge were to be compromised, it would leave several hundred people without quick access to emergency services. The most common reasons for the bridge to become compromised are the overtopping of the bridge or abutment failure due to ongoing erosion. The design goal of this location is to repair bridge scour and increase conveyance.
- **Potential Flood Hazard Location #3:** This site is located 450' downstream of the Bushkill Bridge along the left bank. There is manmade berm at this site as seen in Figure 4 below. The preliminary FIRM (Map# 36111C0410E) does not show this feature so it is not a certified FEMA levee. It appears this feature was built to provide flood protection from the Bushkill for three homes that are north of the berm. It is unclear if this berm was engineered and built following good construction practices (engineered fill, compaction, etc.) It appears the berm is being maintained by evidence of recent mowing. However small woody vegetation is starting to grow which is contra-indicated for the maintenance of flood protection facilities. The riverward side of the earthen berm is protected from erosion using rip rap. In some locations large stones are missing and could have rolled out of place and buried. The concern is that this berm has cut off floodplain access resulting in increased velocities and water surface elevations proximal to the berm. If this is true and the problem corrected, it could reduce the likelihood of the potential flooding hazard at Location #1 from forming and could reduce water velocities near the berm alleviating erosion along the berm itself. The design goal of this location is to create floodplain connectivity and prevent damage to this berm through accepted debris management strategy.
- **Potential Flood Hazard Location #4:** This site is located 920 feet upstream of the 28A bridge crossing. A historic flow channel exists along the right bank and is separated from the active flood waters by a gravel berm. It appears the berm was created from side-casted gravels and cobbles when the Bushkill was dredged last and is similar to the side case berm seen in Figure 5 below. It is unlikely this berm was engineered nor built following good construction practices (engineered fill, compaction, etc.) Sediment obstructions have begun to form at this location. The concern is that continued growth of these obstructions could

raise water elevations and increase velocities along the side cast berm. These two potential conditions could cause the side-cast berm to fail and moving water could reoccupy the historic flow channel. At the downstream end of the historic flow channel is the 28A parking lot and the 28A bridge approach. The design goal of this location is to ensure unwanted debris accumulation or channel migration does not occur at this location so that the Bushkill occupies its historic flood path.

- **Potential Flood Hazard Location #5:** This site is located proximal to the Olive Town Hall located on the Bushkill's right bank. Three homes rest on the right bank between the Bushkill and Watson Hollow Road. One of these homes is inundated (0.5') during the 100-year return interval flood. The FAC is concerned that the inundation depth could rise rapidly if an obstruction were to form blocking floodwater flow. In addition to this concern, the Bushkill has migrated away from its recent centerline and moved towards the right bank. The channel migration has also created a headcut. A headcut is a relatively sudden change in elevation or a knickpoint in a stream. The headcut in the area where the Bushkill has migrated into had a drop of more than 5' over a distance of 40' whereas along the Bushkill's centerline there was a drop of about a foot over the same distance. The headcut and the presence of faster moving waters along the right bank pose a concern to the stream bank protection (rip rap) that is protecting the three homes along the bank. Headcuts migrate upstream and this headcut will undermine the scour protection of these homes and could cause an erosion hazard to the homes. The design goal of this location is to stabilize the bank to withstand the shear stress associated with the flood waters and mitigate the headcut.
- **Potential Flood Hazard Location #6:** *This PFHL is associated with the Maltby Hollow Creek Bridge area and is **not** part of this project. This area will be addressed through other funding sources procured by the Town of Olive.*
- **Potential Flood Hazard Location #7:** Sediment has formed an obstruction in the Bushkill and is pushing flow into the Bushkill's right river bank. This flow increase has resulted in the erosion of Watson Hollow road's embankment. This erosion has already eroded enough of the stream bank that a utility pole guy wire has become exposed. The distance between the top of the eroding bank and the road's edge of pavement is less than 6'. The eroding bank's material is highly erodible and it is reasonable that several feet of additional bank could be eroded and removed during a frequently recurring flood event. This would compromise the utility pole, reduce the size of the recovery zone (distance between edge of road and end of shoulder) for vehicles traveling eastbound on Watson Hollow Road and damage the eastbound lane. The design goal of this location is to stabilize the bank to withstand the shear stress associated with flooding.

It is anticipated that this project will address mitigation of flooding of the Watson Hollow Road area during future storm events and will be designed and implemented so as to provide long-term protection from flooding to area residents, the town's emergency responders, and the area's current infrastructure. Since the town envisions this project as a long-term solution for mitigating

harmful effects of future storm events, proposed improvements will be designed and constructed to withstand future flooding in the channel with a minimum of damage to the improvements. All the proposed improvements will support and enhance the town's ability to carry out essential governmental operations during future storm events, which includes increased emergency response capability and dispatching of public works employees to address emergencies throughout the town. This includes the Hamlets of West Shokan and Boiceville, and represents the highest population centers of the town. This project will also preserve crucial transportation routes such as County Route 42 (Watson Hollow Road) and NY Route 28A, which provides access to NY Route 28 and population centers north, east and west along that corridor, which will allow for evacuation of residents who would otherwise be stranded or isolated by floodwaters in the event of future storm events.

This project, as developed in this application for funding, is a departure from the earlier, approved pre-application, dated March 23, 2015. The project description in that document portrayed a scope that included the design and implementation of improvements to Esopus Creek in the Hamlet of Boiceville, and the Bushkill and Maltby Hollow Creek in the Hamlet of West Shokan. The pre-application also discussed the completion of hydraulic and hydrologic studies that the town wished to undertake in identification of specific targeted areas of those water courses, which evolved to include the preparation of the local flood analysis discussed earlier. This application of funding reflects only improvements to the Bushkill channel; the Esopus Creek and Maltby Hollow Creek areas discussed in the project's pre-application will be addressed by other projects being undertaken by the Town through other funding sources.

The town is currently in the process of procuring an architectural/engineering firm to design and implement the improvements recommended by the aforementioned local flood analysis. The town has also consulted with the Ulster County Public Works Department, the owner of the Bushkill Bridge (County Route 42). The town and county will enter into an inter-municipal agreement by which the county will be responsible for long-term maintenance and operation of any improvements to the bridge infrastructure, which will include protection of the bridge's abutments. The Town will also enter into discussions with the NYDEP as it pertains to future maintenance of improvements along the Bushkill channel and banks.

This project is a CDBG-DR eligible activity pursuant to:

Section 105(a)(2), Public Facilities and Improvements, of the Housing and Community Development Act (HCDA), which includes; the acquisition, construction, reconstruction, or installation (including design features and improvements with respect to such construction, reconstruction, or installation that promote energy efficiency) of public works, facilities (except for buildings for the general conduct of government), and site or other improvements.

The proposed project/activities meet the CDBG National Objective of "Urgent Need" under 24CFR§570.483(d), per the following: Activities under this project are "designed to meet community needs having a particular urgency[,]” thus qualifying the project under the national objective of urgent need. As noted in the relevant HUD guidance, to comply with this national

objective, an activity must be designed to alleviate existing conditions which the local government certifies and the state determines:

- Pose a serious and immediate threat to the health or welfare of the community;
- Are of recent origin or recently became urgent;
- The state grant recipient is unable to finance the activity on its own; and
- Other sources of funding are not available to carry out the activity.

Pursuant to a recent HUD-issued waiver, the certification requirements for this national objective have been removed for CDBG-DR funding. Instead, without the requirement of formal certification, grantees “must document how all programs and/or activities funded under the urgent need national objective respond to a disaster-related impact[.] Grantees must reference in their action plan the type, scale, and location of the disaster-related impacts that each program and/or activity is addressing.”¹

This project’s target area includes census tract 951000.03, which includes that portion of the Town of Olive south and west of NY Route 28. According to the 2010 U.S. Census, the total population of this target area is 1,465, of which 405 or 27.6% are considered to be low-and-moderate income. The proposed sites of the improvements are located within the 100-year floodplain as denoted on current Flood Insurance Rate Maps. No historic or landmarked properties are anticipated to be impacted during the course of this project. Ownership of the potential flood hazard areas to be addressed by this project include Ulster County and private property owners who are under the jurisdiction of the New York City Department of Environmental Protection; therefore, it will be necessary during the course of this project to execute inter-municipal agreements, memorandums of understanding, and, acquisition of temporary and permanent easements with the various stakeholders to govern long-term maintenance and operation of the improvements. No acquisition of property is anticipated to occur during the project except for cases in which easements are called for.

¹ See Federal Register, Vol. 78, No. 43 issued Tuesday, March 5, 2013.

ARCHITECT/ENGINEER'S COST ESTIMATE

Estimated Number of Parcels to be Acquired: 0 (Easements will be required)

Anticipated Approvals/Permits to be Acquired: 3 (NYDEP, Ulster County, USACE)

PROJECT BUDGET

SCOPING & STUDIES \$108,580.00

SCOPING \$18,750.00

BALANCE OF STUDIES \$29,830.00

TOPOGRAPHICAL, PROPERTY SURVEY \$39,000.00

GEOTECHNICAL INVESTIGATIONS \$21,000.00

IMPLEMENTATION OF IMPROVEMENTS \$891,420.00

PRELIMINARY DESIGN \$42,610.00

BIDDING/AWARD/CONTRACT DOCUMENTS \$10,650.00

MEETINGS W/TOWN REPRESENTATIVES \$4,260.00

CONSTRUCTION ADMINISTRATION & INSPECTION \$76,060.00

OTHER DIRECT COSTS 7,290.00

CONSTRUCTION \$675,495.00

CONSTRUCTION CONTINGENCY \$75,055.00

TOTAL PROJECT COST\$1,000,000.00

Applicant/Recipient Disclosure/Update Report

U.S. Department of Housing
and Urban Development

OMB Approval No. 2510-0011 (exp. 8/31/2009)

Instructions (See Public Reporting Statement and Privacy Act Statement and detailed instructions on page 2.)

Applicant/Recipient Information

Indicate whether this is an Initial Report or an Update Report

1. Applicant/Recipient Name, Address, and Phone (include area code): Town of Olive 45 Watson Hollow Road West Shokan, NY 12494; Phone: (845) 657-8118	2. Social Security Number or Employer ID Number: 14-6002352
3. HUD Program Name Community Development Block Grant – Disaster Recovery Program	4. Amount of HUD Assistance Requested/Received \$1,000,000.00
5. State the name and location (street address, City and State) of the project or activity: Bushkill Stream and Stream Bank Rehabilitation Project, 45 Watson Hollow Road, West Shokan, NY 12494	

Part I Threshold Determinations

- | | |
|--|--|
| 1. Are you applying for assistance for a specific project or activity? These terms do not include formula grants, such as public housing operating subsidy or CDBG block grants. (For further information see 24 CFR Sec. 4.3).
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. Have you received or do you expect to receive assistance within the jurisdiction of the Department (HUD) , involving the project or activity in this application, in excess of \$200,000 during this fiscal year (Oct. 1 - Sep. 30)? For further information, see 24 CFR Sec. 4.9
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No. |
|--|--|

If you answered “No” to either question 1 or 2, **Stop!** You do not need to complete the remainder of this form. **However,** you must sign the certification at the end of the report.

Part II Other Government Assistance Provided or Requested / Expected Sources and Use of Funds.

Such assistance includes, but is not limited to, any grant, loan, subsidy, guarantee, insurance, payment, credit, or tax benefit.

Department/State/Local Agency Name and Address	Type of Assistance	Amount Requested/Provided	Expected Uses of the Funds

(Note: Use Additional pages if necessary.)

Part III Interested Parties. You must disclose:

- All developers, contractors, or consultants involved in the application for the assistance or in the planning, development, or implementation of the project or activity and
- Any other person who has a financial interest in the project or activity for which the assistance is sought that exceeds \$50,000 or 10 percent of the assistance (whichever is lower).

Alphabetical list of all persons with a reportable financial interest in the project or activity (For individuals, give the last name first)	Social Security No. or Employee ID No.	Type of Participation in Project/Activity	Financial Interest in Project/Activity (\$ and %)

(Note: Use Additional pages if necessary.)

Certification

Warning: If you knowingly make a false statement on this form, you may be subject to civil or criminal penalties under Section 1001 of Title 18 of the United States Code. In addition, any person who knowingly and materially violates any required disclosures of information, including intentional non-disclosure, is subject to civil money penalty not to exceed \$10,000 for each violation. I certify that this information is true and complete.

Signature: X	Date: (mm/dd/yyyy)
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Sylvia Rozzelle, Supervisor

APPENDIX A

PROOF OF PUBLICATION OF PUBLIC NOTICE REQUESTING PUBLIC COMMENT ON SUBMISSION OF APPLICATION FOR FUNDING

PUBLIC NOTICE

New York State CDBG-DR Application Available Review

The Town of Olive announces that it intends to submit an application for New York State Community Development Block Grant-Disaster Recovery (CDBG-DR) Program funds on or about Tuesday, March 1, 2016, for the following project: **Bushkill Stream and Stream Bank Rehabilitation**

Activity: New York State CDBG-DR funds will be used to make improvements to the Bushkill channel and streambanks between Bushkill Bridge (County Route 42) and NY Route 28A Bridge, in West Shokan, NY

Objective: To mitigate potential flood hazard areas within the Bushkill's channel.

Location: Bushkill channel, along Watson Hollow Road, West Shokan, NY

Amount: Public Facilities and Improvements; \$1,000,000.00.

A copy of the application will be available for review at the Olive Town Hall, 45 Watson Hollow Road, West Shokan, NY 12494, Monday, February 22, 2016 through Monday, February 29, 2016, between the hours of 9:00 a.m. and 4:00 p.m.

All citizens, particularly persons of low and moderate income and residents of blighted areas, as well as those affected by the project are encouraged to submit their views and proposals by Monday, February 29, 2016 to the Town of Olive at the following address:

Town of Olive
Attn: Sylvia Rozzelle, Supervisor
45 Watson Hollow Road
West Shokan, NY 12494
(845) 657-8118
olivesupervisor@hvc.rr.com

Additional information regarding the availability and use of CDBG-DR funds is available upon request.

APPENDIX B
ENGINEER'S COST ESTIMATE

Independent Cost Estimate

Date: January 26, 2016
Project Name: BUSHKILL STREAM & STREAMBANK REHABILITATION PROJECT
Project Location: TOWN OF OLIVE, NEW YORK
Project Pre-Application: \$1,000,000

Project Description: Provide Flood Mitigation Services and rehabilitative measures for a series of six (6) different Potential Flood Hazard Locations. The project objectives are to: 1) Reduce the risk of channel migration through bank armoring and/or other acceptable measures at 350' downstream of the Bushkill Bridge along right bank; 2) Design the repair procedure of scoured bridge and increase conveyance at Bushkill Bridge near hamlet of West Shokan; 3) Design the creation of a floodplain connectivity and prevention of damage to berm at 450' downstream of the Bushkill Bridge, along the left bank through accepted debris management strategy; 4) Design measures to ensure unwanted debris accumulation or channel migration does not occur at 920 feet upstream of the 28A bridge crossing, that occupies its historic floodpath; 5) Design stabilization of the bank next to the Town of Olive Hall located on the Bushkill's right bank near the Bushkill and Watson Hollow Road, to withstand the shear stress associated with flood waters and mitigate the headcut; and 6) Design the stabilization of the bank to withstand the shear stress associated with flooding at eastbound on Watson Hollow Road.

Cost Breakdown:

Labor Costs			
Work Phase	A/E Hours	Avg. Loaded Labor Rate ^{1,2}	Cost ³
Scoping Phase	176	\$106.52	\$18,750
Balance of Studies for Six (6) Location Sites	280	\$106.52	\$29,830
Preliminary Design	400	\$106.52	\$42,610
Total for Preliminary Design Labor Cost	856	\$106.52	\$91,190
Prepare Contract Documents	60	\$106.52	\$6,390
Total Project Design Labor Cost	916	---	\$97,580
Bidding Process Assistance	40	\$106.52	\$4,260
Meetings with Town's representatives during Construction	40	\$106.52	\$4,260
Construction Administration	282	\$106.52	\$30,040
Construction Inspection ⁴	576	\$79.89	\$46,020
Total Project Labor Cost	1,854	---	\$182,160

Other Services & Soft Costs			
	Cost per Site	Sites	Total
Topo, Field Investigations & Prop Survey	\$6,500	6	\$39,000
Geotech for Structural Analysis	\$3,500	6	\$21,000
Field Total	--	--	\$60,000
Other Direct Costs⁵	--	--	\$7,290
Project Total			\$249,450

1 - Based on data in New York State Department of Labor, Labor Statistics, Occupational Wages <http://www.labor.ny.gov/stats/lswage2.asp#17-0000>, March 26, 2015.

2 - Construction Inspection Labor Rate estimated at 75% of the Average Engineering Rate.

3 - Rounded to the nearest \$10.

4 - Considers two days per week of Construction Inspection during 36 weeks.

5 - Covers costs such as printing and travel (4%).

APPENDIX C
DUPLICATION OF BENEFITS CERTIFICATION



GOVERNOR'S OFFICE OF STORM RECOVERY

Andrew M. Cuomo
Governor

James Rubin
Executive Director



NY Rising Community Reconstruction Program

DUPLICATION OF BENEFITS QUESTIONNAIRE

Subrecipient: Town of Olive

Project Name: Bushkill Stream & Stream Bank Rehabilitation Project

Federal regulations require a duplication of benefits (DOB) analysis for projects receiving U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant-Disaster Recovery (CDBG-DR) support to ensure that subrecipients do not receive more funds for a project than are needed. Subrecipients must report all assistance they have received for a project from such sources as insurance, Small Business Administration (SBA), Federal Emergency Management Agency (FEMA), and other local, State, or Federal programs, and private or nonprofit charitable organizations. Any funds received from these sources for this project must be considered when the amount of the CDBG-DR grant is determined. While inclusion in a long-term capital plan does not constitute a DOB, if a project has been included in the subrecipient's annual budget, there may be DOB. CDBG-DR is a funding source of last resort, and should funds become available for a project in the future such that some or all of the CDBG-DR funds budgeted for the project would constitute a duplication of benefits, those CDBG-DR funds will be disallowed or, if outlaid, must be returned to the Governor's Office of Storm Recovery (GOSR). Please consult with GOSR staff if you have any questions regarding whether a potential DOB exists. Please use the chart below to describe the funds the subrecipient has received and/or committed for the project.

FUNDS RECEIVED OR BUDGETED FOR THE PROJECT

SOURCE OF FUNDS	Amount received for the project	Additional funds expected
FEMA	\$0.00	\$0.00
Other Federal Agencies (Describe)	\$0.00	\$0.00
State Agencies	\$0.00	\$0.00
Budgeted Subrecipient Funds (Annual Budget)	\$0.00	\$0.00
Private Insurance	\$0.00	\$0.00

**Governor's Office of Storm Recovery
 NY Rising Community Reconstruction Program
 Duplication of Benefits**

Subrecipient: Town of Olive, New York

Project: Bushkill Stream & Stream Bank Rehabilitation Project

Calculation of CDBG-DR Award

1. Identify Subrecipient's Total Need Prior to Any Assistance (e.g., reconstruction cost estimate)	\$1,000,000.00
2. Identify All Potentially Duplicative Assistance:	
a. Insurance	
b. FEMA Public Assistance funds for Permanent Work	\$0.00
c. Other _____	
Subtotal	\$0.00
3. Deduct Assistance Determined to be Duplicative	\$0.00
4. Maximum Eligible Award (Item 1 less Item 3)	\$1,000,000.00
5. Program Cap (if applicable)	\$0.00
6. CDBG-DR Award (lesser of Items 4 and 5)	\$1,000,000.00
Preparer's Signature:	Date:
<i>Bill Blatnick</i>	<i>02/02/2016</i>

APPENDIX D
HUD BLOCK GROUP REPORT

COUNTY NAME	GEOID	TRACT	BLKGRP	LOWMODUNIV	LMI	MOD	LOW	MEDIUM	
Ulster County	361119510003	951000	3		1465	405	215	190	340

Total Population: 1465

Total LMI: 405

Total Percentage: 27.6 %

WHITE:	95.6 %
BLACK OR AFRICAN AMERICAN:	0.6 %
AMERICAN INDIAN OR ALASKAN NATIVE:	0.3 %
ASIAN:	1 %
NATIVE HAWAIIAN OR PACIFIC ISLANDER:	0 %
OTHER:	2.5 %
HISPANIC OR LATINO:	2.7 %