

Top 7 Crossings for Flood Risk

Town Roads

This chart is a summary of road-stream crossings with the shortest flood intervals (i.e. most likely to flood the road) based on modeling performed by the University of Connecticut. Note that only culverts within target watersheds—i.e. the Sandy Brook—were included in the model, and that this list only includes crossings on town-managed roads.

Photo	Flood Interval	Page #	Road	Map Key	Crossing Code
A	2-Year	258	Duell Hollow Road	5D	xy4162728073545980
B	2-Year	88	Cart Road	1B	xy4174593773598181
C	5-Year	114	Brasher Road	1E	xy4175457573516031
D	10-Year	112	Brasher Road	1E	xy4175400073518693
E	50-Year	118	Corbin Road	2A	xy4171076373625728
F	100-Year	226	Hoyt Road	4E	xy4164258073522120
G	100-Year	86	Cart Road	1B	xy4174565173597779





Municipal Prioritization Workshop Results

May 18, 2018

HVA distributed copies of the Road-Stream Crossing Inventory document to key decision makers in the Town of Dover, including the Town Supervisor and Highway Superintendent. These individuals were encouraged to share the documents with other key figures for comment.

HVA then held a meeting with the Town of Dover that included representatives from the Town Board, Highway Department, and Climate Smart Community Task Force. This meeting was guided by a set of questions developed by HVA to best understand the distinct flood-risk issues at specific sites. The goal of this meeting was to identify sites that were identified as risks by the town participants and determined to have a high potential for ecological restoration. Sites that exemplified the intersection of these two issues, flood resiliency and habitat restoration, were then selected for further project development.

Guiding Questions:

- Q#1: Which structures regularly flood the road?
- Q#2: Has water over the road or other crossing failure blocked access for Town residents to essential services, such as Fire/EMS?
- Q#3: Which structures require regular sediment, debris and/or ice removal?
- Q#4: Are you aware of structures that are in poor condition and need to be repaired or replaced?

Photo	Page #	Map Key	Road	Crossing Code	Notes
A	92	1C	N. Nellie Hill Road	xy4173493673575697	Town's highest priority for replacement (public safety), has flooded in the past, with water over the road in 2007, in disrepair, debris jams, town water line on west side
B	162	3C	N. Chipewalla Road	xy4166625473578878	#2 Priority for Public Safety: If that bridge fails, several families would be completely cut off from emergency services
C	232	4E	Old Forge Road	xy4165742273529925	#3 Priority for Public Safety: Old Forge Road, 4E: Last structure before Tenmile River, public safety issue, narrow and pipe is deteriorating (would cut off people if it failed)
D	114	1E	Brasher Road	xy4175457573516031	Beaver problems, never flooded though.

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Photo	Page #	Map Key	Road	Crossing Code	Notes
E	00	2B	Ridge Road	xy4169777473610841	The other town road cited in Dutchess County's report is Ridge Rd. [and Mill River], with a condition rating of 4.981. A score of "5" puts the rating into "Good" so it is very close. If it requires less work to improve to "Good," it might be a good grant opportunity after Nellie Hill.
F	86	1B	Cart Road	xy4174565173597779	The 3 crossings on Cart road allow the stream crosses the road multiple times in a short period. The road washed out in Irene.
G	88	1B	Cart Road	xy4174593773598181	Was replaced in 2007, but the UConn results indicate it would still fail in a 2-year flood interval. Washed out in Irene.
H	90	1B	Cart Road	xy4174661273598982	Washed out in Irene.
I	260	5E	Duell Hollow Road	xy4162756273538128	Road gets damaged by flooding (avulsion).
J	158	3B	Cooperstown Road	xy4168670473613920	Washed out in Irene, structure will be replaced in 2018 and widened out.
K	188	3E	Weil Road	xy4167377273536836	Town wants to widen the structure (no flooding issues, other than Irene)
L	244	2D	Berkshire Road	xy4170681273558892	Needs to be replaced





Multiple-ranked Priority Stream Crossings

The following stream crossings were ranked on two of the previous priority lists: risk of failure priority and municipal priority.

Page #	Map Key	Road	Crossing Code	Risk of Failure Priority	Municipal Priority
88	1B	Cart Road	xy4174593773598181		
114	1E	Brasher Road	xy4175457573516031		
86	1B	Cart Road	xy4174565173597779		

