D2: Was the plan revised to reflect progress in local mitigation efforts? See status column.

D3: Was the plan revised to reflect changes in priorities? See discussion on how they were prioritized, page **5-27.**

Note: References to culverts on the following pages refer to upsizing or lengthening culverts, unless otherwise stated. According to Culvert Sizing Design Guidance approved by the Maine Department of Transportation Environmental Office in 2015 (available online: https://www.maine.gov/mdot/edi/docs/CulvertSizing52115.pdf), upsizing and lengthening culverts is an important mitigation practice to improve flow conditions and reduce the extent and likelihood of flood damage caused by undersized or poorly designed/maintained culverts. Similarly, projects that reference ditching and elevating roads are intended to avoid road surface flooding and associated transportation and emergency response vulnerabilities. Over the years, FEMA has established project useful life standards for typical mitigation project types. FEMA’s project useful life standard for culverts ranges from 25-50 years, depending on type of materials used. Other examples are: generators - 19 years, elevations – 30 years, and acquisition/demolitions - 100+ years.

**Aroostook County Projects**

| **Town**  **Aroostook Co.** | **Project (in Priority Order)** | **Estimated Cost** | **Time**  **Frame** | **Responsible**  **Agency** | **Status** |
| --- | --- | --- | --- | --- | --- |
| **Allagash** | **1) Frank Mack Road** - Upsize 24’ cmp to 48” x 40’, rip rap | $13,500 | Medium Term | Road Commissioner | Deferred – Lack of funds |
| **2) Walter Brook Road -** Install (2)24” x 40’ cmps & (2) 36” x 40’cmp’s, rip rap | $9,000 | Medium Term | Road Commissioner | Deferred – Lack of funds |
| **3) Inn Road -** Bank stabilization, culvert | $5,000 | Short Term | Road Commissioner | Deferred – Lack of funds |
| **4) Old Rapid Road -** Culvert | $60,000 | Medium Term | Road Commissioner | Deferred – Lack of funds |
| **Amity** | **1) Culverts -** Upsize culverts on Monument Road, Estabrook Road, Tracy Road and Lycette Road | $100,000 | Medium Term | Road Commissioner | New |
| **Aroostook Band of Micmacs** | Please see Annex for updates on Tribe projects | | | | |
| **Ashland** | **1) Wrightville Road -** Ditching & culverts | $120,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Blaine** | **1) Grass Road -** Place geo fabric and elevate 125’ section of road 7 repave | $8,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Robinson Road -** Upsize 48’ x 70’ culvert | $10,500 | Medium Term | Public Works | Deferred – Lack of funds |
| **3) Barrett Road -** Upsize 48’ x 40’ cmp | $6,500 | Medium Term | Public Works | Deferred – Lack of funds |
| **4) Pierce Road -** One culvert | $3,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **5) Libby Road -** One culvert | $6,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **Bridgewater** | **1) East Blaine Road** – Upsize culvert (size to be determined)/bridge | $95,000 | Medium Term | Road Commissioner | Deferred – Lack of funds |
| **2) Packard Road** – Ditch 15,000’, add (6) 18”’ x 40’ cmps | $33,000 | Medium Term | Road Commissioner | Deferred – Lack of funds |
| **3) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds |
| **Caribou** | **1) Madawaska Road** – Upsize culvert | $10,000 | Completed | Public Works | Completed |
| **2) Plant Road** – Upsize culvert | $15,000 | Completed | Public Works | Completed |
| **3) Ogren Road** – Upsize culvert | $9,000 | Completed | Public Works | Completed |
| **4) River Road** – Easements, engineering and soil evaluations | $156,000 | Long Term | Public Works | Deferred – Lack of funds |
| **5) Install dry hydrants** | $1,000 | Short Term | Public Works | Deferred – Lack of funds |
| **6) Farnham Brook** – upsize culvert and rip rap | $150,000 | Completed | Public Works | Completed |
| **7) Limestone Street** – stabilize bank that is eroding into river | TBD | Short Term | Public Works | Deferred – Lack of funds |
| **8) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds |
| **Castle Hill** | **1) McDonald Road** – Install 5’ x 50’ cmp | $6,800 | Completed | Public Works | Completed |
| **2) Create inventory of all town owned drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Caswell** | **Willard Road** – Ditch 6.5 miles, upsize (2) 24” cmps to 48” x 40’ cmps | $73,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Chapman** | **Create inventory of all town owned drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Crystal** | **1) Plan** – Develop plan to minimize flooding along Retreat Road, Pine Tree Road and Winding Hill Road. | $50,000 | Long Term | Public Works | New |
| **Cyr Plantation** | **1) Laplante Road** – Rebuild 300 feet | $14,000 | Long Term | Road Commissioner | Deferred – Lack of funds |
| **2) Madore Road** – Rebuild 800 feet | $37,500 | Long Term | Road Commissioner | Deferred – Lack of funds |
| **3) Michelle L. Cross Road** – Rebuild 2,000 feet | $95,000 | Long Term | Road Commissioner | Deferred – Lack of funds |
| **4) Omer Dumond Road** – Installone corrugated metal pipe | $5,000 | Short Term | Road Commissioner | Deferred – Lack of funds |
| **5) LaPlante Road** – Rebuild 800 feet | $37,500 | Long Term | Road Commissioner | Deferred – Lack of funds |
| **Dyer Brook** | **1) Pond Road** – Upgrade with new culverts and paving | unknown | Short Term | Public Works | Completed 2020 |
| **2) Create inventory of all town owned drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Eagle Lake** | **Gillmore Brook Road** – Ditch 20,000’, add surface gravel 5.5 miles x 20’ x 6’ | $129,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Easton** | **1) Hersom Road –** Mitigate drainage issues | $65,000 | Medium Term | Public Works | New Project |
| **2) Graham Road** – Upsize twin 3’ cmps with 8’ x 40’ box culvert, rip rap & upsize guard rails | $68,000 | Medium Term | Public Works | Completed |
| **3) Ladner Road** – Upsize twin 3’ cmps with 8’ x 45’ culvert, rip rap & upsize guard rails | $73,000 | Medium Term | Public Works | Completed |
| **Fort Fairfield** | **1) Currier Road** – Install 12’ x 60’ box culvert, rip rap,raise road & repave | $149,000 | Long Term | Road Commissioner/  Selectmen | Deferred – Lack of funds |
| **Fort Kent** | **1) Shore Guard Levee Protection** – Fish River | $500,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Bradbury Road** – Study option of re-routing to 11 South – avoid major landslide and residents being stranded | $1,000,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Bradbury Road** – Document progression for future mitigation | $15,000 | Long Term | Public Works | Upsized by # 2, above |
| **Bradbury Road** – Culverts to allow run off to flow | $10,000 | Long Term | Public Works | Upsized by # 2, above |
| **3) Charette Hill Road** – Bank stabilization, erosion control | $120,000 | Long Term | Public Works | Deferred – Lack of funds New Project |
| **4) Heritage Trail** – Culvert and bank stabilization | ‘  $5,000 | Short Term | Public Works | Deferred – Lack of funds |
| **5) North Perley Brook Road** – Upsize culverts to reduce flooding | $18,837 | Short Term | Public Works | Competed; HMPG grant, August 2015 |
| **6) East Main Street** – Acquire homes, demolish & expand park | $250,000 | Partially Completed | Public Works | Some homes acquired |
| **7) South Pearly Brook Road** – Upsize culvert with larger one | $10,000 | Completed | Public Works | Completed |
| **8) Public Works Department** – Relocate garage out of flood zone | $20,000 | Completed | Public Works | Completed |
| **9) Violette Settlement Road** – Upsize culvert with larger one and raise the road | $20,000 | Completed | Public Works | Completed |
| **10) Aroostook School Road**  - Improve drainage | $10,000 | Completed | Public Works | Completed |
| **11) Marquis Road** – upsize culvert with larger one | $10,000 | Completed | Public Works | Completed |
| **12) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds |
| **13) Little Black Lake** – culvert upgrade, riprap | $20,000 | Short Term | Public Works | Deferred – Lack of funds |
| **Frenchville**  (Frenchville) | **1) Gagnon Road –** Study drainage improvements at Bridge 2391 | $110,000 | Short Term | Public Works | Completed in 2015 |
| **2) Starbarn Avenue** -Work on ditches to prevent erosion | $7,822 | Medium Term | Public Works | Completed in 2013 |
| **3) Pelletier Ave.** – Study drainage improvements | $14,062 | Long Term | Public Works | Completed in 2013 |
| **4) Church Avenue** - Ditching and erosion control | $9,541 | Medium Term | Public Works | Completed in 2015 |
| **5) Pelletier Avenue** - Upgrade culvert and road | $9,059 | Long Term | Public Works | Completed in 2014 |
| **6) Starbarn Avenue** - Upgrade road and ditching | $26,362 | Long Term | Public Works | Completed in 2015 |
| **7)Starbarn Avenue** - Ditch and divert water | $5,322 | Short Term | Public Works | Completed in 2013 |
| **8) Bourgoin Avenue** - Ditch and culvert upsize | $5,567 | Short Term | Public Works | Completed in 2012 |
| **9) Pelletier Avenue** - Erosion control | $5,267 | Medium Term | Public Works | Deferred – Lack of funds |
| **10) Pelletier Avenue** - Remove trees, realign road | $3,067 | Medium Term | Public Works | Completed in 2011 |
| **11) Pelletier Avenue** - Upsize culvert, drainage | $1,362 | Short Term | Public Works | Deferred – Lack of funds |
| **Garfield Plt.** | **1) Upgrade roads & bridges** as necessary to reduce flood hazard | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Create inventory of all town owned drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Grand Isle** | **1) Grivois Road** - Ditch 25,000’ of road and install (8) 18” x 24’ cmps | $75,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds |
| **Hamlin** | **Create inventory of all town owned drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Haynesville** | **Skagrock Road** - Ditch 10,000’ upsize culvert to 5’ x 30’ box culvert, rip rap | $58,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **Hodgdon** | **1) McIntyre Road** - 800 feet road elevation | $37,500 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Westford Hill Road** - 600 feet road elevation | $27,500 | Long Term | Public Works | Deferred – Lack of funds |
| **3) North Town Line Road** - 1,000 feet road elevation | $47,500 | Long Term | Public Works | Deferred – Lack of funds |
| **4) Green Road** - 2,000 feet road elevation | $95,000 | Long Term | Public Works | Deferred – Lack of funds |
| **5) South McIntyre Road** -One culvert | $3,000 | Short Term | Public Works | Deferred – Lack of funds |
| **Houlton** | **1) Morningstar Road** - At Moose Brook determine proper size and upsize 12’ x 60’ culvert | $100,000 | Medium Term | Public Works | Under contract – to be completed Fall 2021 |
| **2) Runway drainage at Houlton International Airport** - Install debris catcher at inflow of pipe | $30,000 | Completed | Public Works | Completed |
| **3) Green Street** - Acquisition & demolish house at 12 Greet Street., project returned to open space | $83,000 | Completed | Public Works | Completed |
| **4) Lincoln Street** - Acquire & demolish house at 3 Lincoln Street, returned to open space | $65,000 | Completed | Public Works | Completed |
| **5) Cutting back branches from lines** to resolve power issues | $45,000 | Completed | Public Works | Completed |
| **Houlton Band of Maliseet Indians** | **1) Bell Road** – Resize and replace water crossing. | $200,000 | Long Term | Public Works | New |
| **2) Wilderness Pines** – Establish internet service for non-congregate sheltering | $40,000 | Medium Term | Public Works | New |
| **3 Bell Road** – Extend road to Carson Road for egress from Administration building | $200,000 | Medium Term | Public Works | New |
| **Island Falls**  (Island Falls) | **1) Old Patten Road** - Install 122” x 50’ floodway arch culvert, rip rap & repave | $22,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **2) Jacob Shur Road** - Upsize culverts – build up road | $15,000 | Long Term | Public Works | Deferred – Lack of funds |
| **3) Merriman Road** - Culverts and ditching | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **4) South Shore Road** – Ditching | $15,000 | Short Term | Public Works | Deferred – Lack of funds |
| **(5) Sewall Street** - Drainage, ditching | $20,000 | Short Term | Public Works | Deferred – Lack of funds |
| **6) Church Street** - Drainage, ditching | $20,000 | Short Term | Public Works | Deferred – Lack of funds |
| **7) Acquisition/demolition** – 1 property; deed restricted to open space | $18,470 | Completed | Contractor  Public Works | Completed 2012 PDM grant |
| **Limestone** | **1) Burleigh Street** - Underground storm drain; install (2) catch basins and 450’ x 4’ culvert | $64,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Silver Spring Brook** - Dredge brook at intake | $20,000 | Long Term | Public Works | Deferred – Lack of funds |
| **(3) Cutting back branches** | $45,000 | Short Term | Public Works | Deferred – Lack of funds |
| **4) Stabilize bank to protect sewer** | $87,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **5) Madawaska Dam -** Resurface spillway with proper material | $100,000 | Long Term | Public Works | Deferred – Lack of funds |
| **6) Fish Way to Madawaska Dam** | $250,000 | Long Term | Public Works | Deferred – Lack of funds |
| **7) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds |
| **Linneus**  (Linneus) | **1) South Oakfield Road-Beaver Brook** - Upsize & enlarge existing culvert, from 5' to 6'. Install 2' overflow. Rip rap. Resurface 300; of gravel travel surface | $18,000 | Short Term | Road Commissioner | Deferred – Lack of funds |
| **2) Folsom Road** - Upsize & enlarge existing culvert. Rip Rap. Resurface 400' of gravel travel surface. Raise road profile. | $8,500 | Medium Term | Road Commissioner | Deferred – Lack of funds |
| **3) Raise elevation of floor in furnace room at fire station** | $30,000 | Short Term | Road Commissioner | Deferred – Lack of funds |
| **4) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds |
| **Littleton** | **1) Carson Road** - Two culverts | $85,000 | Short Term | Public Works | Deferred – Lack of funds |
| **2) Wiley Road** - One culvert | $25,000 | Short Term | Public Works | Deferred – Lack of funds |
| **3) Hillsiding Road** - Nine culverts | $25,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **4) Shanks Road** - Three culverts | $8,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **5) Gillen Road** - One culvert | $14,000 | Short Term | Public Works | Deferred – Lack of funds |
| **6) Ingraham Road** - One culvert | $5,000 | Short Term | Public Works | Deferred – Lack of funds |
| **7) Front Ridge Road** - Six culverts | $30,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **Ludlow** | **1) Ludlow Road** – Develop plan to address Lamb Brook flooding | $25,000 | Medium Term | Road Commissioner | New |
| **Madawaska**  (Madawaska) | **1) Create inventory of all town owned drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Acquisition/demolition** – 1 property; deed restricted to open space | $192,477 | Completed | Contractor  Public Works | Completed 2010 HMPG |
| **3) Grandmaisson Avenue** –Drainage. | $4,380 | Short Term | Public Works | Completed |
| **4) Gendreau Road** – Upsize culvert | $96,000 | Short Term | Public Works | Completed |
| **5) Golf Course Road** – Upsize culvert | $30,000 | Short Term | Public Works | Temporary fix 2018 |
| **6) Pelletier Avenue** – Upgrade culvert | $10,000 | Short Term | Public Works | New Project |
| **7) Third & Girard** – Upgrade culvert | $10,000 | Short Term | Public Works | New Project |
| **8 Dufour Road** Repair head of culvert to redirect water | $7,500 | Short Term | Public Works | New Project |
| **Mapleton** | **1) NOMACCA Drive** - Relocate access road away from Aroostook River approx. 600’, fill & rip rap | $1,000,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Teakettle Brook** - Upsize culvert with stream crossing culvert | $150,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **3) Create inventory of all town owned roads and drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Merrill** | **Create inventory of all town owned drainage** (GPS) | $15,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Mars Hill** | **1)  Clark Road** - 24” x 50’ cmp to 36” x 50’ cmp & rip rap, elevate 250’ of road bed | $25,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **2) Mountain Road** - Upsize (2) 24’ x 40’ cmps to 36” x 40’ rip rap & ditch 300’ | $25,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **3) East Ridge Road** – Upgrade 3 culverts at Gizoquit Brook | $60,000 | Short Term | Public Works | Deferred – Lack of funds |
| **Monticello** | **1) Jones Road** – Reconstruct road | $25,000 | Short Term | Public Works | New |
| **2) Hoyt Road** – Upgrade culverts and repair road | $20,000 | Short Term | Public Works | New |
| **3) Hillsiding Road** - Upgrade culverts and repair road | $15,000 | Short Term | Public Works | New |
| **4 Bell Road** – Install guard rails and repair roads | $15,000 | Long Term | Public Works | New |
| **5)  Fullerton Road** - Berm and seed, ditch 700’ of road rip rap & coffer dam | $25,000 | Short Term | Public Works | Still repairing sections |
| **6)   Install dry hydrants** | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **New Limerick** | **1) Drews Lake Road** - Elevate portions of road that are subject to flooding | $150,000 | Long Term | Road Commissioner | New |
| **New Sweden** | **Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds |
| **Perham** | **High Meadow Road** - Install underground channels for drainage, elevation, ditching & culverts | $295,000 | LongTerm | Public Works | Deferred – Lack of funds |
| **Portage Lake** | **1) West Road** - Install culverts 2 – 18” x 20’ HDPE cross culverts, gravel and pavement repair | $4,160 | Short Term | Public Works | Completed |
| **2) West Road** - Ditching 550’ and 3 – 18” HDPE culverts, gravel and pavement repair | $5,100 | Medium Term | Public Works | Completed |
| **3) West Road** - Stabilize stream bank & culvert inlet/outlet w/geotextile and rip rap | $1,900 | Short Term | Public Works | Completed |
| **4) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Completed |
| **Presque Isle** | **1) Burlock Road** - Ditching and rip rap | $14,000 | Medium Term | Public Works | Completed 2019 |
| **2) Lombard Road** - Culvert | $10,000 | ShortTerm | Public Works | Deferred – Lack of funds |
| **3) Henderson Road** – Triple 36-inch Culverts | $42,000 | Short Term | Public Works | Deferred – Lack of funds |
| **4) Install dry hydrants** | $30,000 | Long Term | Public Works | Deferred – Lack of funds |
| **5) Ginn Road** - Culverts and rip rap | $20,000 | Completed | Public Works | Completed 2004 and 2020 |
| **6) Ashby Road** - Ditching and rip rap | $15,000 | Completed | Public Works | Completed 2003 |
| **7) Main Street** - Upsize culvert with box or arch culvert | $35,000 | Completed | Public Works | Completed 2003 |
| **8) Fort Road (Route 163/167** from North Street –Maple Grove Road - ditching | $82,000 | Short Term | Public Works | Planned for 2021 |
| **9) Easton Road (Route 10)** east of Egypt Road – drainage improvements | $199,000 | Short Term | Public Works | Planned for 2021 |
| **10) US Route 1 (south)** 0.27 mile N of Westfield Town Line – bridge culvert rehab | $1,170,000 | Medium Term | Public Works | Planned for 2023 |
| **Reed Plantation** | **Create inventory of all town owned drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **St. Agatha**  (St. Agatha) | **1) Airport Road** - Create Ditching | $15,000 | Completed | Public Works | Completed |
| **2) Marquis Road** - create better ditching & divert water to culvert | $20,000 | Completed | Public Works | Completed |
| **3) Marquis Road** - Install culvert to access flow from the field | $25,000 | Completed | Public Works | Completed |
| **4) Brook Road** - Create buffer zone | $50,000 | Long Term | Public Works | Deferred – Lack of funds |
| **5) Create inventory of all town owned drainage** (GPS) | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **6) Flat Mountain** - Buffering and ditch work | $10,000 | Completed | Public Works | Completed |
| **7) Plein Road** - Buffering and ditching | $12,000 | Completed | Public Works | Completed |
| **8) Demolish treatment plant in floodplain** | $30,000 | Completed | Public Works | Completed |
| **St. Francis** | **Sunset Drive** - Culverts & ditching | $20,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **St. John** | **Create inventory of all town owned drainage** (GPS) | $20,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Sherman** | **1) Create inventory of all town owned drainage** (GPS) | $20,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Cold Brook and Gallison Roads** – ditching & culverts | TBD | Long Term | Public Works | Deferred – Lack of funds |
| **3) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds w |
| **Stockholm** | **1) Madawaska River -** Utilize historical records of flooding to determine flood risk. | $25,000 | Long Term | Road  Commissioner | New |
| **Unorganized Territory**  (Unorganized  Territory) | **1) Benedicta - Aroostook Road** - Pavement reclaim/graded paving/striping | $200,000 | Completed | Public Works | Completed July/August 2017 |
| **2) Connor/Sinclair/Madawaska Lake/E Plantation** – pavement crack sealing 5 mi | $40,000 | Completed | Public Works | Completed Sept 2018 |
| **3) Connor – Madawaska &** Haney Road – Ditching, paving approx. 1 mile | $100,000 | Completed | Public Works | Completed Aug 2018 |
| **4) Benedicta – Aroostook Road** – Annual ditching (5-6 days) | $25,000 | Short Term | Public Works | On-going (annual maintenance) |
| **5) Connor & Sinclair – Haney, West Gate & Shore Roads** – Pavement, post-pavement shoulder build-up approx. 2.5 mi | $225,000 | Completed | Public Works | Completed  Sept 2019 |
| **6) Madawaska Lake – Lake Shore Drive** – Shoreline rip-rap approx. 400 feet | $25,000 | Completed | Public Works | Completed  Nov 2020 |
| **7) Cary Township- Wilcox & Smith Roads** – Excavate shoulder materials, ditching, cross culvert upgrades | $40,000 | Long Germ | Public Works | On-going – 2nd year of 5-year de-organization plan |
| **8) Oxbow North Township – Oxbow Road** – Ditching, culvert upgrades, road surface rehabilitation on unpaved portion 9 miles | $100,000 | Long Term | Public Works | On-going – 4th year of 5-year de-organization plan |
| **Van Buren** | **1) St. Mary’s Road** - Two sections-1,000 ft., raise, rip rap, enlarge culverts | $45,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Lake Road** - Ditch, rip rap, raise road & change culverts as needed for a distance of 2,000 feet | $78,000 | Long Term | Public Works | Deferred – Lack of funds |
| **3) Alexander Road** - Raise, grade, rip rap & change culverts as needed for 3,000 feet | $90,000 | Long Term | Public Works | Deferred – Lack of funds |
| **4) Acquisition/Demolition** - 6 properties; deed restricted to open space | $371,405 | Completed | Contractor  Public works | Completed 2012; HMGP grant |
| **5) Violette Brook** - Rip Rap & Stabilize bank | TBD | Completed | Public Works | Completed in 2007 |
| **6) DOT Project in conj. with Van Buren Public Works** - Resolve under-sized culvert issues attempting to leverage federal highway funds | TBD | Long Term | Public Works | Deferred – Lack of funds |
| **7) DOT Project in conf. with Van Buren Public Works** - Resolve proper drain issues relative to Champlain & Route 1 area | $97,500 | Long Term | Road  Commissioner | Deferred – Lack of funds |
| **8) Generator(s)** – Install generators as needed at critical facilities | $10,000 | Short Term | Contractor | Deferred – Lack of funds |
| **Wade** | **1) New Dunton Road** - One bridge | $11,000 | Long Term | Public Works | Completed |
| **2) South Wade Road** - Install 6 culverts and guardrail | $100,000 | Medium Term | Public Works | Several culverts replaced need guard rails on river side of road |
| **3) Gardner Creek** – add drainage tile under road and build up | $10,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **4) North Wade Road** – Add guard rails along edge of brook | $50,000 | Long Term | Public Works | New |
| **Wallagrass** | **1)  Rip rap** to protectbridge | $11,830 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Soldier Pond Road** - Acquisition of six homes | $350,000 | Long Term | Public Works | Deferred – Lack of funds |
| **3) Church Street** - 500 feet road elevation | $22,500 | Medium Term | Public Works | Deferred – Lack of funds |
| **Washburn** | **1) Porter, Woodman, Wilder, and Berce Streets** – Study costs and feasibility to dredge, ditch, upgrade culvert and install catch basins, underground drain to brook | $4,000,000 | Long Term | Public Works | Completed. Berce & Woodman done several years ago, Porter & Wilder done 2020 |
| **2) Emergency communication equipment -** install 3 backup generator system | $20,000 | Long Term | Public Works | New Project |
| **3) Mill Pond** - Remove culverts, upgrade with bridge to eliminate flooding | $250,000 | Long Term | Public Works | Completed. Dam removed with DEP grant; culverts removed. No new bridge |
| **4) Gardner Creek Road** - Upsize culverts & upgrade with bridge | $1,000,000 | Long Term | Public Works | Deferred – Lack of funds |
| **5) Caribou Lake Road** - Control & remove beavers and upgrade culvert | $4,000 | Completed | Public Works | Completed |
| **6) Annis Road** – Road build up with bridge | $500,000 | Long Term | Public Works | New Project |
| **Westfield** | **1) Tweedie Road** - Two culverts | $60,000 | Medium Term | Public Works | Completed |
| **2) Miller Road** - Three culverts | $40,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **3) Shorey Road** - Three culverts | $10,000 | Short Term | Public Works | Completed |
| **4) Cambridge Road** - One culvert | $2,500 | Short Term | Public Works | Completed |
| **5) Simpson Road** - One culvert | $4,000 | Short Term | Public Works | Completed |
| **6) Young Lake Road** - Three culverts | $6,000 | Short Term | Public Works | Completed |
| **7) Viner Road** - One Culvert | $2,500 | Short Term | Public Works | Completed |
| **Westmanland** | **1) Westmanland Road** – Ditch and upsize culverts | $15,000 | Long Term | Public Works | New Project |
| **2) Little Madawaska Lake Road** - Raise road at bridge for 500 feet, install culverts | $33,000 | Long Term | Public Works | Deferred – Lack of funds |
| **Weston** | **1) Harris Hill Ro**ad - Four culverts | $7,000 | Completed | Public Works | Completed |
| **2) 180 Cropley Road** – Upsize culvert | $2,000 | Short Term | Public Works | Completed or deemed not necessary |
| **3) Cropley Road south side,** east of 180 Cropley Road- Ditching | $2,500 | Short Term | Public Works |
| **4) West of 7 Cropley Road** - Culvert | $2,000 | Short Term | Public Works |
| **5) North of 106 Springer Road** - Culvert | $2,000 | Short Term | Public Works | Deferred – Lack of funds |
| **6) Harris Hill Road** – shoulder grading and ditch maintenance | $7,500 | Short term | Public Works | New Project |
| **7) Paving**  - Springer, Butterfield, and Dark Cove roads | $245,000 | Short Term | Public Works | New Project |
| **8 Harris Hill Road** – Reconstruct road base and surface on eastern half of road | $400,000 | Medium Term | Public Works | New Project |
| **Winterville**  **Plantation**  (Winterville  Plantation) | **1) Goss Brook** - Culverts and guardrails | $25,000 | Medium Term | Public Works | Deferred – Lack of funds |
| **2) Red River Road** - Culverts and guardrails | $75,000 | Long Term | Public Works | Deferred – Lack of funds |
| **3) North Shore Road** - Culverts and ditching along both sides of roadway | $20,000 | Long Term | Public Works | Deferred – Lack of funds |
| **4) Station Road** – Culvert | $10,000 | Short Term | Public Works | Deferred – Lack of funds |
| **Woodland** | **1) McIntyre Road** - Elevate road & install 1, 36” culvert | $15,000 | Long Term | Public Works | Deferred – Lack of funds |
| **2) Sealander Road** - Upsize culvert, rip rap & install guard rail | $23,675 | Completed | Public Works | Completed 2005; DR-1371 HMGP grant |
| **3) Skidgel Road** - Elevate road | $15,000 | Long Term | Public Works | Deferred – Lack of funds |
| **4) Pratt Road** - Elevate road | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **5) Langley Road** - Upsize culvert, add rip rap | $25,860 | Completed | Public Works | Completed 2005; DR-1371 HMGP grant |
| **6) Davis Road** - Elevate road | $25,000 | Long Term | Public Works | Deferred – Lack of funds |
| **7) Everett Road** - Elevate road and install one culvert | $20,000 | Long Term | Public Works | Deferred – Lack of funds |
| **8) Thibodeau Road** - Ditching along both sides of road | $15,000 | Short Term | Public Works | Deferred – Lack of funds |
| **9) Brown Road** - Ditching | $20,000 | Completed | Public Works | Completed |