

5. MITIGATION STRATEGY

13. Local Hazard Mitigation Goals

Requirement §201.6(c)(3)(i): (The hazard mitigation strategy shall include a) description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

Element	A. Does the new or updated plan include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards?
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A. GENERAL GOALS OF THE PLAN

Through conducting the risk assessment for York County, five key goals of hazard mitigation were identified. These goals respond to the types of losses typically caused by hazards and the usual obstacles to enacting successful hazard mitigation strategies. Although the exact objectives for each hazard category will differ, the overarching goals will remain the same.

The five goals and the reasons for their selection are made into a Matrix (See Table 1).

B. MITIGATION ACTIONS BY GOAL AND OBJECTIVE

In this section the above goals are used to define objectives and specific mitigation actions that respond to each of the five hazard types considered in the mitigation plan. For each goal of the mitigation plan, objectives and specific recommended actions are put forth. Each action is analyzed for its likely effectiveness against a number of criteria to address goals of the plan (Table 1).

The objectives and action steps are organized under each of the five major goal headings. This section concludes with a matrix that displays all of the recommended actions, organized by goal, objective, and hazard type and includes responsible parties and implementation status (Table 2).

The analysis of each of the mitigation actions was accomplished by using a scoring system with five criteria:

1. Life / Safety – Will it protect lives and/or property from hazard losses?
2. Population Benefited – How many people will benefit from the action?
3. Probability Community Acceptance – Will the community accept the action or will it face resistance?
4. Probability Funding – How likely will it be to get funding?
5. Feasibility of Implementation – How easy will it be to implement?

For each action, each of these criteria was given a score of 1 to 3 by the planning team, with 3 being the best and 1 being the worst. The total scores for each action were added. The range of scores was from 5 to 15 with a median score of 11.2.

TABLE 1 - York County Hazard Mitigation Plan: Mitigation Actions Analysis Worksheet

GOAL 1: MINIMIZE DAMAGE, INJURY AND LOSS OF LIFE

Obj #	Objectives	Action no.	Mitigation Actions	Life Safety	Population Benefited	Probability Community Acceptance	Probability Funding	Feasibility of Implementation	Total Score
1.1.	Discourage future residential and commercial development in hazard-prone areas	1.1.1.	Conduct detailed local inventories of hazard-prone areas	3	2	2	1	2	10
		1.1.2.	Limit public infrastructure expansions in hazard areas	3	2	2	1	2	10
		1.1.3.	Educate property owners and developers about risks of developing structures in hazard-prone areas	3	3	2	1	3	12
1.2.	Improve emergency evacuation routes and plans	1.2.1.	Develop local evacuation routes and plans	3	3	3	2	3	14
		1.2.2.	Develop regional evacuation plan	3	3	3	2	3	14
1.3.	Enact and enforce regulations that reduce the threat of hazard damage	1.3.1.	Reduce allowable densities in hazard-prone areas	2	2	1	1	1	7
		1.3.2.	Enact tougher dimensional standards in hazard-prone areas	2	2	2	2	2	10
		1.3.3.	Strengthen building codes	2	2	2	2	2	10
		1.3.4.	Ensure strong local enforcement of land use and building regulation	2	2	2	2	2	10
1.4.	Improve functionality of emergency shelter system	1.4.1.	Equip more facilities for emergency shelter use	2	3	3	2	3	13
		1.4.2.	Require backup power generators in emergency shelters	3	3	3	2	3	14
		1.4.3.	Enact mitigation measures on shelter structures	2	2	2	2	2	10
1.5.	Improve post-disaster	1.5.1.	Create countywide post-disaster reporting system	3	3	3	3	3	15

reporting systems	1.5.2. Establish volunteer corps of citizen reporters	3	3	3	3	3	15		
GOAL 2: PROTECT ECONOMIC VITALITY OF BUSINESSES									
Obj #	Objectives	Action no.	Mitigation Actions	Life Safety	Population Benefited	Probability Community Acceptance	Probability Funding	Feasibility of Implementation	Total Score
2.1.	Ensure that infrastructure is fully restored as quickly as possible after disasters occur	2.1.1.	Create and maintain database of critical infrastructure	3	3	3	3	3	15
		2.1.2.	Enact plans for restoring functionality of priority infrastructure	3	3	3	3	3	15
		2.1.3.	Offer support services to businesses affected by hazards	3	3	3	3	3	15
2.2.	Encourage owners of commercial properties and businesses to enact mitigation measures	2.2.1.	Document long-term economic benefits of mitigation	3	3	2	1	2	11
		2.2.2.	Create and distribute how-to guide for hazard mitigation	3	3	2	1	2	11
		2.2.3.	Offer financial incentives for mitigation	1	2	2	1	1	7
2.3.	Ensure that all workers and customers can access businesses	2.3.1.	Identify high priority commuter routes for protection	3	3	2	2	3	13
		2.3.2.	Ensure that key transportation routes remain open	3	3	2	2	3	13
		2.3.3.	Maintain a business information hotline for post-disaster periods	2	2	1	1	1	7
		2.3.4.	Encourage companies to promote telecommuting	1	2	1	1	1	6
2.4.	Maintain security during and after hazard events	2.4.1.	Develop property security plans for all hazard types	3	3	3	3	3	15
		2.4.2.	Coordinate with county and state law enforcement officials	3	3	3	3	3	15

GOAL 3: ENSURE CONTINUITY OF COUNTY AND LOCAL GOVERNMENT OPERATIONS

Obj #	Objectives	Action no.	Mitigation Actions	Life Safety	Population Benefited	Probability Community Acceptance	Probability Funding	Feasibility of Implementation	Total Score
3.1.	Enact strict mitigation standards for key public facilities	3.1.1.	Identify key public facilities	3	3	3	2	2	13
		3.1.2.	Develop minimum standards for public buildings	3	3	3	2	2	13
		3.1.3.	Seek financial assistance for public facility mitigation	3	3	3	2	2	13
3.2.	Develop formal arrangements for sharing of facilities and equipment in case of disasters	3.2.1.	Create electronic database of countywide inventory of facilities and equipment	3	3	3	2	3	14
		3.2.2.	Identify inventory items most at risk for each hazard type	3	3	3	2	3	14
		3.2.3.	Institute procedures for sharing facilities and equipment	3	3	3	2	3	14
3.3.	Encourage municipalities to develop, adopt and implement local hazard mitigation plans	3.3.1.	Provide each municipality with annexes and appendix data from countywide plan	3	3	3	3	3	15
		3.3.2.	Assist localities with collection of inventory data	3	3	3	3	3	15
		3.3.3.	Offer matching grant program for developing and implementing local hazard mitigation plans	3	3	3	3	3	15

GOAL 4: MAKE EFFICIENT USE OF PUBLIC FUNDS FOR MITIGATION

Obj #	Objectives	Action no.	Mitigation Actions	Life Safety	Population Benefited	Probability Community Acceptance	Probability Funding	Feasibility of Implementation	Total Score
4.1.	Protect critical public facilities and services from hazard damage	4.1.1.	Use critical facilities inventory to identify potential mitigation projects for each hazard type	3	2	2	2	2	11
		4.1.2.	Identify potential funding sources for mitigation projects	3	2	2	1	1	9
		4.1.3.	Establish a central procurement resource for conducting mitigation projects in York Co.	2	1	1	1	1	6
4.2.	Prioritize hazard mitigation activities by benefit-cost ratios	4.2.1.	Estimate public costs of mitigation projects	3	2	2	2	2	11
		4.2.2.	Estimate potential damage without mitigation measures	3	2	2	1	2	10
		4.2.3.	Compare ratio of public costs to potential damage avoided for potential mitigation projects	3	2	2	1	2	10
4.3.	Use public funds to limit development of buildings and facilities in hazard-prone locations	4.3.1.	Identify properties that have suffered repetitive hazard damage	3	3	2	1	2	11
		4.3.2.	Acquire high-risk properties in hazard areas	3	3	2	1	2	11
		4.3.3.	Purchase development rights to prevent further development in hazard areas	3	2	2	1	2	10
		4.3.4.	Offer financial incentives to build on sites that are clear of vegetation	1	1	1	1	1	5
4.4.	Preserve invaluable	4.4.1.	Identify cultural and historic resources in	3	2	2	1	2	10

cultural and historic resources in hazard-prone areas	hazard areas						
	4.4.2. Enact mitigation projects on properties of cultural and historic importance	3	2	2	1	2	10

GOAL 5: RAISE PUBLIC AWARENESS OF AND SUPPORT FOR MITIGATION

Obj #	Objectives	Action no.	Mitigation Actions	Life Safety	Population Benefited	Probability Community Acceptance	Probability Funding	Feasibility of Implementation	Total Score
5.1.	Encourage property owners to undertake voluntary mitigation measures	5.1.1.	Create and distribute how-to guide for hazard mitigation (same as 2.2.2.)	3	2	1	1	2	9
		5.1.2.	Offer financial incentives for mitigation (same as 2.2.3.)	1	1	1	1	1	5
5.2.	Improve visibility and knowledge of evacuation routes and emergency shelters	5.2.1.	Create and distribute regional and local maps of routes and shelters	2	2	2	1	2	9
		5.2.2.	Develop distinctive and uniform signage for evacuation routes	3	2	2	2	2	11
		5.2.3.	Notify residents about locations of nearby emergency shelters and preferred evacuation routes	3	2	2	1	2	10
5.3.	Educate children about hazard mitigation	5.3.1.	Develop hazard mitigation educational materials aimed at children	3	2	2	1	2	10
		5.3.2.	Incorporate materials into the Maine Learning Results	1	1	1	1	1	5

TABLE 2: MATRIX OF MITIGATION GOALS, STRATEGIES AND ACTIONS

All of the goals, strategies and actions listed in the table below combine to make up the York County Hazard Mitigation Plan. In order to understand these components as a whole, the planning team organized them into an Implementation Matrix.

The matrix is presented on the pages that follow.

Implementation Matrix						
Primary No.	Objectives	Action No.	Action Description	Hazards Addressed	Responsible Parties	Status
GOAL 1: MINIMIZE DAMAGE, INJURY AND LOSS OF LIFE						
1.1.	Discourage future residential and commercial development in hazard-prone areas	1.1.1.	Conduct detailed local inventories of hazard-prone areas	Flood, Hurr./ Trop. Storm, Wildfire	YCEMA, local EMAs	Deferred until Risk Map studies are done
		1.1.2.	Limit public infrastructure expansions in hazard areas	Flood, Hurr./ Trop. Storm, Wildfire	Towns (via land use policies)	Coastal communities are enacting codes to limit; other towns considering doing same
		1.1.3.	Educate property owners and developers about risks of developing structures in hazard-prone areas	Flood, Hurr./ Trop. Storm, Wildfire	EMAs, town officials	Part of Risk Map education 2012-2015
1.2.	Improve emergency evacuation routes and plans	1.2.1.	Develop local evacuation routes and plans	All	Town officials, SMRPC, MDOT	Complete
		1.2.2.	Develop regional evacuation plan	All	SMRPC, MDOT, YCEMA	Complete
1.3.	Enact and enforce regulations that reduce the threat of hazard damage	1.3.1.	Reduce allowable densities in hazard-prone areas	Flood, Hurr./ Trop. Storm, Wildfire	Towns (via land use policies)	Coastal communities are enacting codes to limit; other towns considering doing same
		1.3.2.	Enact tougher dimensional standards in hazard-prone areas	Flood, Hurr./ Trop. Storm, Wildfire	Towns (via land use policies)	Coastal communities are enacting codes, other towns considering doing same
		1.3.3.	Strengthen building codes	All	Towns (via land use policies)	Coastal communities are enacting codes ; other towns considering doing same
		1.3.4.	Ensure strong local enforcement of land use and building regulation	All	Towns (local code officers)	Coastal communities are enacting codes ; other towns considering doing same
1.4.	Improve functionality of emergency shelter system	1.4.1.	Equip more facilities for emergency shelter use	All	YCEMA, local EMAs, Towns	Deferred; lack of funding

		1.4.2.	Require backup power generators in emergency shelters	Severe Winter Storm	Town officials	Deferred; lack of funding
		1.4.3.	Enact mitigation measures on shelter structures	All	Town officials	Deferred; lack of funding
1.5.	Improve post-disaster reporting systems	1.5.1.	Create countywide post-disaster reporting system	All	YCEMA, local EMAs	Deferred; lack of funding
		1.5.2.	Establish volunteer corps of citizen reporters	All	YCEMA, local EMAs	Complete by 2014

Primary No.	Objectives	Action No.	Action Description	Hazards Addressed	Responsible Parties	Status
GOAL 2: PROTECT ECONOMIC VITALITY OF BUSINESSES						
2.1.	Ensure that infrastructure is fully restored as quickly as possible after disasters occur	2.1.1.	Create and maintain database of critical infrastructure	All	YCEMA, local EMAs, biz groups	Complete by 2014
		2.1.2.	Enact plans for restoring functionality of priority infrastructure	All	Town officials, local EMAs, utility cos.	2012-2014
		2.1.3.	Offer support services to businesses affected by hazards	All	YCEMA, local EMAs, biz groups, towns	Continuing Public/Commercial Outreach
2.2.	Encourage owners of commercial properties and businesses to enact mitigation measures	2.2.1.	Document long-term economic benefits of mitigation	All	SMRPC, biz groups, DECD	Continuing Public/Commercial Outreach
		2.2.2.	Create and distribute how-to guide for hazard mitigation	All	SMRPC, YCEMA, biz groups	Continuing Public/Commercial Outreach
		2.2.3.	Offer financial incentives for mitigation. Municipalities can apply for grants to help offset the costs of removing homes from flood plains or pay for this entirely from local funds.	All	Town and state officials	Deferred; lack of funding
2.3.	Ensure that all workers and customers can access businesses	2.3.1.	Identify high priority commuter routes for protection	All	SMRPC, MDOT, biz groups	Continued Assessments
		2.3.2.	Ensure that key transportation routes remain open	All	SMRPC, MDOT, YCEMA, local EMAs	Continued Assessments
		2.3.3.	Maintain a business information hotline for post-disaster periods	All	YCEMA, SMRPC	Deferred; lack of funding
		2.3.4.	Encourage companies to promote telecommuting	All	SMRPC, biz groups, DECD	Continuing Public/Commercial Outreach
2.4.	Maintain security during and after hazard events	2.4.1.	Develop property security plans for all hazard types	All	YCEMA, Local EMAs, Sheriff, local police	Continued Assessments
		2.4.2.	Coordinate with county and state law enforcement officials	All	YCEMA, Sheriff, ME Pub. Safety	Continued Assessments and Planning Partnerships

Priority No.	Objectives	Action No.	Action	Hazard Addressed	Responsible Parties	Status
GOAL 3: ENSURE CONTINUITY OF COUNTY AND LOCAL GOVERNMENT OPERATIONS						
3.1. Enact strict mitigation standards for key public facilities		3.1.1.	Identify key public facilities	All	Local EMAs	Identified in Local EOP
		3.1.2.	Develop minimum standards for public buildings	All	YCEMA, town officials	Deferred; lack of funding
		3.1.3.	Seek financial assistance for public facility mitigation	All	YCEMA, town officials	As Funding Allows
3.2. Develop formal arrangements for sharing of facilities and equipment in case of disasters		3.2.1.	Create electronic database of countywide inventory of facilities and equipment	All	YCEMA, SMRPC	As Funding Allows
		3.2.2.	Identify inventory items most at risk for each hazard type	All	YCEMA, local EMAs, SMRPC	Deferred; lack of funding
		3.2.3.	Institute procedures for sharing facilities and equipment	All	YCEMA, local EMAs	Mutual Aid Agreements/MOU's
3.3. Encourage municipalities to develop, adopt and implement local hazard mitigation plans		3.3.1.	Provide each municipality with annexes and appendix data from countywide plan	All	SMRPC	Complete
		3.3.2.	Assist localities with collection of inventory data	All	Local EMAs, YCEMA	Continued Assessments and Inventory Updates
		3.3.3.	Offer matching grant program for developing and implementing local hazard mitigation plans.	All	YCEMA	As Funding Allows

Priority No.	Objectives	Action No.	Action	Hazard Addressed	Responsible Parties	Status
GOAL 4: MAKE EFFICIENT USE OF PUBLIC FUNDS FOR MITIGATION						
4.1.	Protect critical public facilities and services from hazard damage	4.1.1.	Use critical facilities inventory to identify potential mitigation projects for each hazard type	All	Local EMAs, town officials	Need to complete inventory
		4.1.2.	Identify potential funding sources for mitigation projects	All	YCEMA, local EMAs	Continued Assessments
		4.1.3.	Establish a central procurement resource for conducting mitigation projects in York Co.	All	YCEMA	As Funding Allows
4.2.	Prioritize hazard mitigation activities by benefit-cost ratios	4.2.1.	Estimate public costs of mitigation projects	All	Local EMAs, town officials	Continued Assessments
		4.2.2.	Estimate potential damage without mitigation measures	All	Local EMAs, YCEMA, consultants	Continued Assessments and Planning Partnership
		4.2.3.	Compare ratio of public costs to potential damage avoided for potential mitigation projects	All	Local EMAs, town officials	Continued Assessments and Planning Partnership
4.3.	Use public funds to limit development of buildings and facilities in hazard-prone locations	4.3.1.	Identify properties that have suffered repetitive hazard damage	Flood, Hurricane/Trop. Storm	Local EMAs, YCEMA	Continued Assessments and Planning Partnership
		4.3.2.	Acquire high-risk properties in hazard areas	Flood, Hurricane/Trop. Storm	Towns, state, land trusts, consultants	As Funding Allows
		4.3.3.	Purchase development rights to prevent further development in hazard areas	Flood, Hurricane/Trop. Storm	Towns, state, land trusts, consultants	Deferred; lack of funding
		4.3.4.	Offer financial incentives to build on sites that are clear of vegetation	Wildfire	Towns, state, SMRPC	Deferred; lack of funding
4.4.	Preserve invaluable cultural and historic resources in hazard-prone areas	4.4.1.	Identify cultural and historic resources in hazard areas	Flood, Hurricane/Trop. Storm	Local EMAs, planners	Some towns have completed this
		4.4.2.	Enact mitigation projects on properties of cultural and historic importance	All	Local EMAs, planners	Deferred; lack of funding

Priority No.	Objectives	Action No.	Action	Hazard Addressed	Responsible Parties	Status
GOAL 5: RAISE PUBLIC AWARENESS OF AND SUPPORT FOR MITIGATION						
5.1.	Encourage property owners to undertake voluntary mitigation measures	5.1.1.	Create and distribute how-to guide for hazard mitigation (same as 2.2.2.)	SEE ACTION 2.2.2		
		5.1.2.	Offer financial incentives for mitigation (same as 2.2.3.)	SEE ACTION 2.2.3		
5.2.	Improve visibility and knowledge of evacuation routes and emergency shelters	5.2.1.	Create and distribute regional and local maps of routes and shelters	All	SMRPC	Complete
		5.2.2.	Develop distinctive and uniform signage for evacuation routes	All	YCEMA, MDOT, SMRPC, design consultant	Deferred; lack of funding
		5.2.3.	Notify residents about locations of nearby emergency shelters and preferred evacuation routes	All	Selectmen, town managers, YCEMA	Deferred; lack of funding
5.3.	Educate children about hazard mitigation	5.3.1.	Develop hazard mitigation educational materials aimed at children	All	YCEMA, school districts, SMRPC	Deferred; lack of funding
		5.3.2.	Incorporate materials into the Maine Learning Results	All	School districts, Dept of Ed.	Deferred; lack of funding

Prioritized Local Mitigation Projects in York County

Projects listed in priority order. Most municipalities in the County identified one or more action items consistent with the County-wide goals, objectives and actions, to mitigate hazards at the local level. The jurisdictions, as well as the specific actions they will pursue, are listed in priority order in the following table. The time frames shown are based upon acceptance of the project by FEMA and the availability of materials and funding.”

Criteria for prioritization. The list of local projects was developed separately by each municipality. Local officials did not use formal, written criteria for the identification of local projects. Local officials relied on common sense, local knowledge of the frequency and extent of local damages, local knowledge of which projects were of the highest priority, based on frequency and severity of damages, local knowledge of the weather, the geography and topography of the community, and the technical and financial abilities of their respective communities to address hazards and mitigate the impacts of hazards.

Use of a cost-benefit analysis. Many of the jurisdictions included in this Plan are small towns run by *part time staff and / or volunteers*. They do not have staff, resources or funding to prepare cost-benefit analyses for the projects included in this Plan. However, in virtually all cases involving expenditure of local funds for implementation, there will be a very rigorous, line-by-line analysis of cost effectiveness during the budget review process and subsequent public discussion *through regular and special meetings*. This review is at least equal to a formal benefit-cost calculation because each expenditure item will be carefully scrutinized rather than simply being plugged into a formula. Nevertheless, MEMA and the County EMA have made it clear to local officials that a formal cost benefit analysis will have to be prepared in the event they apply for mitigation funding.

Status of completed, deleted or deferred projects. Table 2 contains a status column that identifies the completed, deleted or deferred mitigation projects. For deferred projects, the “status” column lists the reason or reasons that no changes occurred.

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Acton	1	Peacock Rd. - Ditching, stone ditch and replace culverts	\$16,000	4 wks	Town Mgr	NEW PROJECT
	2	Sanborn Rd. - Ditching, stone ditch	\$10,000	2 wks	Town Mgr	NEW PROJECT
	3	Sam Page Rd. - Ditching, stone ditch	\$10,000	2 wks	Town Mgr	NEW PROJECT
Alfred	1	Carpenter Rd. - ditch 2,500' and add (2) 18" x 30' cross culverts	\$9,000	3 wks	Road Commissioner	Planning phase; seeking funding
	2	Federal St. - ditching and replace culverts	\$10,000	2 wks	Road Commissioner	NEW PROJECT
	3	Gore Rd. - ditching and replace culverts	\$10,000	2 wks	Road Commissioner	NEW PROJECT
	4	Witchers Mills Rd. - ditching and replace culverts	\$10,000	2 wks	Road Commissioner	NEW PROJECT
	5	Bracket Hill Rd. - rebuild road base 10,000' x 18' and ditch	\$250,000	4 mths	Road Commissioner	Deferred: lack of funding
Arundel	1	Downing Rd at Duck Brook - slip line existing 12'8" x 8' x55' arch pipe to increase flow capacity	\$55,000.00	4 wks	Road Commissioner	Planning phase; seeking funding
Berwick	1	Elevate or acquire flood damaged homes	TBD	TBD	Town Mgr Contractor(s)	NEW PROJECT
	2	Wilson St. - upsize existing underground drainage system between Wilson St. and Salmon Falls River	\$100,000.00	4 mths	Road Commissioner	Deferred: lack of funding
	3	Little River Rd. - upsize existing twin 24" x 30' culverts with 60" x 40' elliptical pipe.	\$12,000.00	2 wks	Road Commissioner	Deferred until funding available
	4	Adeline Rd. - Add 36" x 40' overflow pipe at brook crossing tying into natural swale	\$6,000.00	2 wks	Road Commissioner	Defer to 2012
Biddeford	1	Granite Point Rd. - elevate road way for 500', expand retaining wall to protect from overflow	\$500,000.00	2 yrs	Public Works	NEW PROJECT
	2	Fortunes Rock Rd. - elevate road, raise retaining wall and replace culverts	\$1,000,000.00	2 yrs	Public Works	NEW PROJECT

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Buxton	1	Patten Farm Rd. - upsize existing 6' x 7' x24' bridge with 10'x6'x24' box culvert with headwall	\$62,000.00	6 wks	Road Commissioner	Planning phase; dependent on available funding
	2	Back Nippen Rd. - upsize 48" culvert with 60" culvert, elevate roadway 2', geotextile on slopes and rip rap	\$14,000.00	4 wks	Road Commissioner	NEW PROJECT
	3	Town Farm Rd. - repave roadway and replace culverts	\$56,000.00	2 mths	Road Commissioner	NEW PROJECT
	4	Elden Rd. - ditching, regrade 1525' x 18' roadway and pave. Remove 8 trees, replace culverts in roadway and driveways, rip rap pipes	\$35,000.00	2 mths	Road Commissioner	NEW PROJECT
	5	Henry Hill Rd. - upsize existing culvert and elevate road	\$65,000.00	6 wks	Road Commissioner	Deferred; lack of funds
Cornish	1	High Rd. (Rt 25 to School St.) - Drainage project to include 18 catch basins and underdrain	\$100,000.00	6 mths	Road Commissioner	Engineering study complete; project deferred until funds available
	2	Roland Day Rd. - elevate 1000' x 3' x 19' and add (3) 24" x 40' culverts	\$45,000.00	4 wks	Road Commissioner	NEW PROJECT
Dayton	1	Hollis Rd. -replace/increase # culverts, rip rap, repave	\$80,000.00	8 wks	Road Commissioner	NEW PROJECT
	2	Hight Rd. - upsize 18' culvert to 24", install rip rap, regrade road	\$50,000.00	5 wks	Road Commissioner	NEW PROJECT
	3	Dennet Rd.-upsized 18" culvert to 24", install rip rap, regrade	\$50,000.00	5 wks	Road Commissioner	NEW PROJECT
	4	Murch Rd. - upsize culvert, install rip rap, upgrade road surface	\$80,000.00	8 wks	Road Commissioner	NEW PROJECT

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Eliot	1	Frost Hill Rd. - add 48" x 40' culvert to utilize second channel	\$5,000.00	2 wks	Road Commissioner	Planning phase
	2	Cedar/Depot Rd Drainage System - add 48" x 40' culvert on Depot Rd.	\$7,000.00	2 wks	Road Commissioner	Planning phase
	3	Brixham Rd. -upsized culvert	\$5,000.00	2 wks	Road Commissioner	NEW PROJECT
	4	Old Field Road Bridge - address abutment erosion, possible new abutments	\$440,000.00	16 wks	Road Commissioner	NEW PROJECT
	5	Pleasant St. - Stabilize river bank. Rip rap 30' x 100' x 5' of river bank	\$5,000.00	2 wks	Road Commissioner	Repaired w/ PA funds from DR1644
Hollis	1	Cape Rd. - upsize 36" culvert to 48", elevate road bed approximately 5', shape slopes, repave roadway	\$186,000.00	4 mths	Road Commissioner	NEW PROJECT
	2	Burnham Lane - replace 4 existing culverts with one 72" culvert, elevate roadway	\$53,000.00	2 mths	Road Commissioner	NEW PROJECT
	3	Saco Rd. -elevate roadway 2-3'	\$88,000.00	2 mths	Road Commissioner	NEW PROJECT
	4	Sand Pond Rd. - elevate 500' x 32" x 22', ditch & line 1200', add (3) 24" x 30' culverts and repave	\$25,000.00	6 wks	Board of Selectmen	Planning phase; dependent on available funding
	5	Clark Mills Rd./Glaude Ave. - ditch 700' , reshape and line ditch	\$7,000.00	2 wks	Board of Selectmen	Defer to 2012
	6	Hailey Rd. - elevate 300' x 3' x 19', upsize 24" culvert to 36" x 30', rip rap intake and outflow & repave	\$45,000.00	4 wks	Board of Selectmen	Deferred; lack of funds

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
	1	Scottsman Brook Route 1/Main St. - 800' culvert locations	\$1,200,000.00	8 wks	Public Works, Contractor	90% complete
	2	Alfred Rd. - culvert and drainage	\$400,000.00	6 wks	Public Works	NEW PROJECT
	3	Gooches Beach - replace 1,550' wooden sea wall	\$2,325,000.00	10 wks	Public Works	Partially complete - 700' left
Kennebunk	4	Woodhaven - 4000' underground drainage	\$480,000.00	6 wks	Public Works	Planning phase; dependent on available funding
	5	Intervale & Partridge - acquire and demolish 3 homes; elevate 11 homes 2' above 2007 HWM	\$1,500,000.00	18 mths	Town Mgr., CEO, Contractors	Completed 2009 - HMGP
	6	Bayberry Ave. - 6000' underground drainage and catch basins	\$720,000.00	6 wks	Public Works	Deferred; lack of funds
	7	Cole Rd. - drainage	\$350,000.00	4 wks	Public Works	NEW PROJECT
	8	Emmons Rd. - bridge reconstruction and elevation	\$1,000,000.00	8 wks	Public Works	NEW PROJECT

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Kennebunk Port	1	Dyke Rd. - elevate 2100' x 3' x 24' & repave	\$135,000.00	8 wks	Public Works	Planning phase; dependent on available funding
	2	Kings Hwy. - elevate 2100' x 3' x 21' & repave	\$115,000.00	8 wks	Public Works	90% complete
	3	Pier Rd. - stabilize head of cove 200' x 10'	\$34,000.00	4 wks	Public Works	Working through the list of projects as funding is available
	4	Pier Rd. causeway - elevate 25' x 3' x 24' and repave	\$18,000.00	4 wks	Public Works	Working through the list of projects as funding is available NEW PROJECT
	5	Ocean Ave. - elevate 2 sections of road 500' x 3'	\$100,000.00	4 wks	Public Works	
	6	Goose Rocks Rd. - upsize existing 48" x 40' culvert to 72" x 60' elliptical pipe	\$24,000.00	2 wks	Public Works	Working through the list of projects as funding is available
	7	Arundel Rd. - elevate road 300' x 3' x 22', repave and add 8' x 50' culvert	\$30,000.00	4 wks	Public Works	Working through the list of projects as funding is available

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Kittery	1	Intersection of Government and Walker St. - upsize culvert	\$30,000.00	2 wks	Public Works	NEW PROJECT
	2	Payne Rd. - elevate 700' section of road	\$85,000.00	4 wks	Public Works	NEW PROJECT
Lebanon	1	Poplar Hill Rd. - ditch 3000' and line 2000' of ditch; upsize (2) 24" x 40' culverts	\$85,000.00	6 wks	Road Commissioner	Planning phase; seeking funding
	2	Dickson Rd. - ditch 30,000' and line 2000' of ditch; upsize (2) 24" x 40' culverts	\$73,000.00	6 wks	Road Commissioner	Working through the list of projects as funding is available
	3	Shapleigh Rd. - Ditch 15,000, upsize 24" x 40' culvert	\$33,000.00	4 wks	Road Commissioner	Working through the list of projects as funding is available
	4	Orrills Hill Rd. - upsize culvert	\$30,000.00	2 wks	Road Commissioner	NEW PROJECT
	5	Union School Rd./Lower Guinea Rd.- upsize culvert	\$20,000.00	2 wks	Road Commissioner	NEW PROJECT
	6	Upsize culverts - various locations	\$15,000.00	3 wks	Road Commissioner	NEW PROJECT

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Limerick	1	Burnham Rd. - ditch 5000' and install 500' underdrain	\$22,000.00	3 wks	Road Commissioner	NEW PROJECT
	2	Foss Rd. - install additional 36" x 40' culvert and rip rap intake and outflow	\$7,000.00	2 wks	Road Commissioner	NEW PROJECT
	3	Identify all culverts in town with GPS and identify status	\$2,000.00	2 wks	Road Commissioner	NEW PROJECT
Limington	1	Whaleback Rd. -replace 10' x 70' steel culvert, riprap intake and outflow, stabilize banks with geotextile and riprap, ditch 1800' with fabric, riprap and check dams	\$95,000.00	4 wks	Road Commissioner	NEW PROJECT
	2	Moody Rd. - 850' ditch with fabric, riprap and check dams	\$11,000.00	1 wk	Road Commissioner	NEW PROJECT
	3	Mill Turn Rd. - 1900' ditch with fabric, riprap and check dams	\$23,000.00	2 wks	Road Commissioner	NEW PROJECT
	4	River Rd. - 2000' ditch with fabric, riprap and check dams	\$26,000.00	2 wks	Road Commissioner	NEW PROJECT
	5	Hanscomb School Rd. - 1200' ditch with fabric, riprap with check dams	\$15,000.00	2 wks	Road Commissioner	NEW PROJECT
	6	Doles Ridge Rd. - upsize existing twin 36" x 40' cmp with 6' x 4' x 40' box culvert and rip rap intake and outflow	\$30,000.00	4 wks	Road Commissioner	Working through the list of projects as funding is available

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Lyman	1	Old North Berwick Rd. - elevate road, replace culverts and ditch	\$200,000.00	6 wks	Public Works	NEW PROJECT
	2	Clarks Wood Rd. - ditching	\$15,000.00	3 wks	Public Works	NEW PROJECT
Newfield	1	Demeritt Rd. - ditching for 750', install culvert at intersection with Lost Mile Road	\$10,000.00	2 wks	Road Commissioner	NEW PROJECT
	2	Stone Rd. - ditch and line 2500', including blasting of ledge	\$10,000.00	2 wks	Road Commissioner	Working through the list of projects as funding is available
	3	Lewis Rd. - ditch 600' to include blasting of ledge	\$10,000.00	2 wks	Road Commissioner	Working through the list of projects as funding is available
North Berwick	1	Hartford Ln; Ditch and line 2000' and add check dams	\$20,000.00	4 weeks	Road Commissioner	Planning phase; seeking funding
	2	Dyer St. - replace underdrain. Increase size of storm drainage from 24" to 36" pipes	\$25,000.00	6 wks	Road Commissioner	NEW PROJECT
	3	Little River Rd. - replace 36" culvert with 42" culvert; elevate roadway by 8"	\$17,000.00	3 wks	Road Commissioner	culvert done 11/2010-waiting on elevation
	4	Fox Farm Hill Rd. - replace 18" culvert with 24" culvert; ditching, install stone ditch, replace (6) driveway pipes - upsizing 12" to 18"	\$35,000.00	5 wks	Road Commissioner	NEW PROJECT
	5	Lebanon Rd. - replace 30" culvert with 42" culvert	\$10,000.00	2 wks	Road Commissioner	NEW PROJECT
	6	Estes Hill Rd; Ditch and line 2,500 and add check dams	\$25,000.00	4 weeks	Road Commissioner	Planning phase; seeking funding

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Ogunquit	1	Captain Thomas Rd; Upsize 36" x 40' to 60" x 40' & 24" x 40' to 36" x 40' culvert raise roadway 2-3' and repave	\$100,000.00	2 mths	Public Works	Planning phase; seeking funding
	2	Kings Highway; Replace foot bridge with 6' x 40' span	\$12,000.00	4 weeks	Public Works	Planning phase; seeking funding
Old Orchard Beach	1	Ross Rd; Elevate and widen 700' x 2' x 24' upsize existing 24" culvert with (2) 48" x 40' culverts and repave	\$145,000.00	6 weeks	Public Works	Complete
	2	Walnut St. Ditch and line 2,000' replace sub soil	\$22,000.00	3 weeks	Public Works	Planning phase; seeking funding
	3	Drainage Structure(french drain) at (11) different locations- cost is same for each site	\$50,000.00	12 wks	Public Works	Planning phase; seeking funding
	4	West Grand Ave; Install 3,000' underground stormwater system and add (12) catch basins	\$500,000.00	12 weeks	Public Works	Deferred; lack of funds
	5	West Grand Ave Area: Conduct hydrologic and hydraulic analysis to assess means to mitigate stormwater related flooding	\$28,000.00	16 weeks	Public Works	NEW PROJECT
	6	Milliken Street Area; Conduct hydrologic and hydraulic analysis to assess means to mitigate stormwater related to flooding	\$24,000.00	16 weeks	Public Works	Planning phase; seeking funding
	7	Tripoli Ave. - stormwater improvements	\$187,500.00	16 wks	Public Works	NEW PROJECT
	8	Tunis Ave. - stormwater improvements	\$359,500.00	6 mths	Public Works	NEW PROJECT
	9	Hampton Ave. - stormwater improvements	\$187,500.00	16 wks	Public Works	NEW PROJECT
	10	Roanoke Ave - stormwater improvements	\$187,500.00	16 wks	Public Works	NEW PROJECT
	11	Puffin St. - drainage system	\$48,100.00	2 mths	Public Works	NEW PROJECT
	12	First St. - drainage system	\$83,800.00	12 wks	Public Works	NEW PROJECT

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
	1	Hasty Rd; Ditch and line 2,000'	\$20,000.00	3 weeks	Road Commissioner	Working through the list of projects as funding is available
	2	Pendexter Rd; Upsize culvert to 42" x 36'; raise road elevation 10" add cross culverts as needed, ditch	\$25,000.00	4 wks	Road Commissioner	Working through the list of projects as funding is available
	3	Deverauz Rd; Ditch and line 2,000' & upsize culvert to 18' x 36'	\$22,000.00	3 weeks	Road Commissioner	Working through the list of projects as funding is available
	4	Benson Rd; Add (3) 18" x 32' culverts	\$4,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
Parsonsfield	5	Mudget Meadow Rd; Upsize (4) culverts to 18" x 36'	\$5,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
	6	Chase Rd; Ditch and line 1,000' & add 18" x 36'	\$11,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
	7	Milliken Rd; Ditch and line 1,000' & Upsize culvert to 42" x 36'	\$14,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
	8	Cross Rd; Ditch and line 2,000' & upsize (3) culverts to 18" x 36'	\$23,000.00	3 weeks	Road Commissioner	Working through the list of projects as funding is available
	9	New County Rd; Ditch and Line 1,000' & upsize culvert to 42" x 36' & add (4) 18" x 36'	\$13,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
	10	Mountain Rd; Ditch and Line 1,000' & Upsize (3) culverts to 18" x 36'	\$13,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
Parsonsfield	11	Maplecrest Rd; Ditch and line 1,000' & Upsize (3) culverts to 18" x 36'	\$13,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
	12	Dearborn Rd; Ditch and line 500' & add 18" x 36' culvert	\$6,000.00	1 week	Road Commissioner	Working through the list of projects as funding is available
	13	West Rd; Add 18" x 36' culvert	\$1,500.00	1 week	Road Commissioner	Working through the list of projects as funding is available

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
	14	Lost Mile Rd; Ditch and line 500'	\$5,000.00	1 week	Road Commissioner	Working through the list of projects as funding is available
	15	Lombard Hill Rd; Ditch and line 2,000'	\$20,000.00	3 weeks	Road Commissioner	Working through the list of projects as funding is available
	16	Dutch Rd; Ditch and line 1,000'	\$10,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available

Parsonsfield

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
	17	Chick Rd; Ditch and line 1,500'	\$15,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
	18	Stacey Lane; Ditch and line 500'	\$5,000.00	1 week	Road Commissioner	Working through the list of projects as funding is available
	19	Arthur Morrill Rd; ditch and line 500'	\$5,000.00	1 week	Road Commissioner	Working through the list of projects as funding is available
	20	Bob Day Rd; Ditch and line 1,000'	\$10,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
	21	Smith Rd; Ditch and line 1,000'	\$10,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
Parsonsfield						
	22	Pratt Rd; Ditch and line 1,000'	\$10,000.00	2 weeks	Road Commissioner	Working through the list of projects as funding is available
	23	Woodward Rd; Ditch and line 500'	\$5,000.00	1 week	Road Commissioner	Working through the list of projects as funding is available
	24	Hobbs Swamp rd; Ditch and line 500'	\$5,000.00	1 week	Road Commissioner	Working through the list of projects as funding is available

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Parsonsfield	25	Stagecoach Rd; Ditch and line 500'	\$5,000.00	1 week	Road Commissioner	Working through the list of projects as funding is available
	26	Kezar Mountain Rd; regravels road, ditch and line 5000' rt and lt & upsize (3) culverts to 18" x 36'	\$35,000.00	4 wks	Road Commissioner	Working through the list of projects as funding is available
	27	Long Pond Rd. - removal of roughly 200 lf of ledge, widen road, reshape ditches, pave widened portion.	\$55,000.00	8 wks	Road Commissioner	Working through the list of projects as funding is available
	28	Joe Berry Rd. - regravels, reshape and ditch 1800' of roadway	\$35,000.00	4 wks	Road Commissioner	Working through the list of projects as funding is available
	29	Road Between the Ponds - remove pavement, widen road width, replace culverts, ditch, repave. Removal of trees and resetting of Telephone poles required	\$50,000.00	6 wks	Road Commissioner	Working through the list of projects as funding is available
	30	Middle Rd; add gravel, regrade, ditch and line 3,000'	\$45,000.00	3 weeks	Road Commissioner	Deferred; lack of funds

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Saco	1	York County Emergency Shelter; Install French drain 500' and install redundant sump pump in basement	\$18,000.00	3 weeks	Public Works	Planning phase; seeking funding
	2	Route 1; clean and improve 1,000' ditch line S of Route 1	\$3,000.00	1 week	Public Works	State Road need to work with DOT
	3	Heath Rd; Install underground drainage 18" x 500', rip rap outflow	\$15,000.00	4 weeks	Public Works	Planning phase; seeking funding
Sanford	1	Gowan Park Dr; Upsize (2) 24" x 40' cmcs to 36" x 40' cmcs, elevate 500' x 3' x 24' and repave	\$32,000.00	4 weeks	Public Works	Working through the list of projects as funding is available
	2	Walnut Brook/Twombly Rd; Upsize and realign existing 18" x 40' culvert with 30" x 150' culvert	\$22,000.00	3 weeks	Public Works	Working through the list of projects as funding is available
	3	Rosenfield Development; Install (10) catch basins & 2000' x 24", 48" x 1200' underground drainage	\$205,000.00	8 weeks	Public Works	Deferred; lack of funds
	4	North St; Install (10) catch basins & upsize 12" x 600' to 18" x 600' underground drainage	\$127,000.00	8 weeks	Public Works	Deferred; lack of funds
	5	Cottage Street (North Ave. to Island Ave) upgrade culverts	\$25,000.00	4 wks	Public Works	NEW PROJECT
	6	Mousam Way Trail - upgrade granite culvert to either box culvert or metal arch	\$35,000.00	4 wks	Public Works	NEW PROJECT
	7	Stiles Ave/Howard St; Upsize twin 36" x 150' rcp with 50" x 150' rcp.	\$29,000.00	3 weeks	Public Works	Working through the list of projects as funding is available
	8	Deering Neighborhood Rd; Upsize 18" to 36" x 150' culvert and repave 8' x 40'	\$21,000.00	3 weeks	Public Works	Working through the list of projects as funding available.

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Sanford	9	Sam Allen Rd - upsize culvert to either box culvert or pipe arch	\$35,000.00	2 weeks	Public Works	Working through the list of projects as funding is available
	10	Whiches Mills Rd; Upsize and realign existing 50" x 40' culvert with 60" x 60' culvert	\$14,000	2 weeks	Public Works	Working through the list of projects as funding is available
	11	Sacopee Rd; site 1 - Upsize existing 48" x 40' culvert with 6' x 4' x 40' box culvert	\$30,000.00	4 weeks	Public Works	Working through the list of projects as funding is available
	12	Sacopee Rd; Upsize existing 18" x 40' cmp with 24" x 40' culvert & add additional 18" x 40' culvert approx. 500' from existing pipe	\$4,000.00	2 weeks	Public Works	Working through the list of projects as funding is available
	13	Horace Mills Rd / Sam Allen Rd; Install (2) 18" x 40' culverts, ditch 800'	\$4,800.00	2 weeks	Public Works	Working through the list of projects as funding is available
Shapleigh	1	Ferguson Rd; Add 30" x 40' culvert and rip rap	\$2,800.00	1 week	Road Commissioner	Working through the list of projects as funding is available
	2	Cross Rd; Upsize to 40" x 30' squash pipe	\$3,000.00	1 week	Road Commissioner	Working through the list of projects as funding is available

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
So Berwick	1	Clarks Lane (Quamphagan Brook Watershed); perform H&H study to correct runoff flooding to driveways near Marshwood High School.	\$30,000.00	3 wks	Contractor	Planning phase; seeking funding
	2	Thrurrell Rd; Elevate 800' x 22' x 8' stabilize banks and add relief culverts as needed, repave	\$100,000.00	8 weeks	Public Works	Deferred; lack of funds
	3	Emery's Bridge Rd @ White Marsh; upsize culvert and raise road bed	\$600,000.00	n/a	Public Works	Deferred; lack of funds
	4	Lower Main Street-replace drainage system	\$100,000.00		Public Works	NEW PROJECT
	5	Belle Marsh Rd; Ditch 1000'	\$2,500.00	1 week	Public Works	Working through the list of projects as funding is available
	7	Pond Road by Love's Brook; Elevate road 2' x 1000' to reduce flooding hazard		n/a	Public Works	2007 - Completed with 406 mitigation from DR-1693
	8	Hopper Sands Rd along Great Works River; Buy out house and restore site	\$150,000.00	5 months	Town Manager	Deferred; lack of funds
	Waterboro	1	Chadborn Hill Rd; Ditch and line 300' or roadway	\$3,000.00	1 week	Road Commissioner
2		Reset lower and rip rap intake and outfall (3) 15" x 40' culverts	\$2,500.00	1 week	Road Commissioner	Planning phase; seeking funding
Wells	1	Coles Hill Rd; Install 48" x 40' smoothbore overflow culvert, or as determined by H&H study	\$6,000.00	1 week	Public Works	Planning phase; seeking funding
	2	Post Rd @ Cozy Corner @ Merriland River - replace existing concrete structure w a wider taller structure, raise Rt 1 and Rt 9 travel way	\$1,200,000.00	1 yr	Public Works, Contractor	NEW PROJECT
	3	Bragdon Rd @ Merriland River - upsize culvert and elevate roadway	\$35,000.00	4 wks	Public Works	NEW PROJECT
	4	Deerwood Park -improve drainage and create retention structures	\$100,000.00	4 mths	Public Works	NEW PROJECT

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
Wells	5	Furbish Rd. - elevate roadway	\$125,000.00	4 mths	Public Works	NEW PROJECT
	6	Bald Hill Rd. -upsized culverts and elevate roadway	\$100,000.00	4 mths	Public Works	NEW PROJECT
	7	Wire Rd. - improve drainage	\$20,000.00	4 wks	Public Works	NEW PROJECT
York	1	Long Beach from Sea Rose Lane - Outflow J - Outfall Culvert Replacement	\$500,000	6 months	Public Works	Planning phase; seeking funding
	2	Long Beach Ave/ Anchorage Motel Drainage Improvement - Outflow L	\$350,000	6 months	Public Works	Planning phase; seeking funding
	3	Mitchell/Ridge Road Drainage System Upgrade	\$450,000	6 months	Public Works	Partially Town funded
	4	Sentury Hill/ York Street drainage improvement	\$100,000	3 months	Public Works	Planning phase; seeking funding
	5	York Village Square - drainage improvements, upsized system and crossings	\$175,000	1 month	Public Works	Planning phase; seeking funding
	6	York Street (cont. Long Beach Ave.) Drainage System Upgrade - Outflow P in town plan	\$450,000	6 months	Public Works	Planning phase; seeking funding
	7	Birch Hill Road at Shorey's Swamp replace box culvert with two (2) 4' culverts	\$290,000	1 month	Public Works	Partially Town Funded Hydrology Done
	8	Orchard Farm/ Greenacre Drive Development - drainage improvements, upsized culverts and crossings	\$125,000	3 months	Public Works	Planning phase; seeking funding
	9	Greenleaf Parsons Road - upsized existing culvert with larger box style culvert	\$200,000	1 month	Public Works	Hydrology Done
	10	Little River Drainage Canal - Cleaning of debris - RTE 95 to the sea - Flows into Outflow O	\$50,000	1 month	Public Works	Partially Completed

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
	11	Winterbrook Drive Development- drainage improvements, upsize system and crossings	\$225,000	3 months	Public Works	Planning phase; seeking funding
	12	Pine Hill Road at Jade Lane Drainage Improvement	\$50,000	2 weeks	Public Works	Planning phase; seeking funding
	13	Pine Hill Road at Teeny Brook	\$25,000	2 weeks	Public Works	Planning phase; seeking funding
	14	Shore Road - Keyes Pond to Ogunquit line drainage system - replace and upsize capacity	\$75,000	2 weeks	Public Works	Planning phase; seeking funding
	15	Shore Road - near Cliff House - upsize culvert from 18" to 30"	\$8,000	1 week	Public Works	Planning phase; seeking funding
	16	Agamenticus Ave - south side- install collection pool and new 18" culvert to divert water coming down hill	\$19,000	2 weeks	Public Works	Planning phase; seeking funding
	1	York Beach Square Commercial District Drainage System Upgrade - Outfall G1 in town plan - Penstock 2 separate projects	\$2,500,000	6 months	Public Works	PDMG/Town Funding
	2	Long Beach Ave./Northern end by Cutty Sark Motel Drainage System Upgrade - Outflow I in town plan	\$350,000	8 months	Public Works	Town Funded
	3	Broadway Ave. Drainage System Improvements - Outflow G2 in Town plan	\$900,000	6 months	Public Works	Town funded PE Stage
	4	Ridge Road - at Spring Point Estates - replace and size culvert - flows into Outflow K	\$25,000	2 weeks	Public Works	Town Funded
	1	Barrel Lane (between RT. 1A & RT 103) Drainage System Upgrade - Outflow R in Town Plan	\$280,000	6 months	Public Works	Completed
	2	Roaring Rock Road - Upsize to 12"x200' with 36"x200' culvert	\$35,000	6 weeks	Public Works	Completed
	3	York Street/ Raydon Road- upsizing of existing culvert cross culvert system	\$25,000	1 week	Public Works	Completed
	4	Reserve Street/ Sea Rose parallel drainage system upgrade-	\$150,000	1 month	Public Works	Completed
	5	North Berwick Road culvert - add additional 4' culvert	\$10,000	1 week	Public Works	Completed

Town		Project (in Priority Order)	Cost	Time line	Responsible Agency	Project Status
	6	Logging Road at Linney's Swamp - add additional 3' culvert	\$9,000	1 week	Public Works	Completed
	7	Birch Hill Road - Emos Way - upsize 2' to 3' add additional 2' overflow with present 3' culvert	10,000	1 week	Public Works	Completed

15. Identification and Analysis of Mitigation Actions: National Flood Insurance Program (NFIP) Compliance

Requirement §201.6(c)(3)(ii): (The mitigation strategy) must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.

Elements	A. Does the new or updated plan describe the jurisdiction's participation in the NFIP?
	B. Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?

A. All municipalities within York County participate in NFIP. Below are the CID # and Program Dates.

Municipality	CID #	Program Date	CRS Class
Acton, Town of	230190	6/5/1985	
Alfred, Town of	230191	7/16/1990	8
Arundel, Town of	230192	4/1/1987	
Berwick, Town of	230144	8/5/1991	
Biddeford, City of	230145	5/15/1984	
Buxton, Town of	230146	7/5/1982	
Cornish, Town of	230147	3/18/1980	
Dayton, Town of	230148	12/28/1998	
Eliot, Town of	230149	6/5/1989	
Hollis, Town of	230150	7/19/1982	
Kennebunk, Town of	230151	1/19/1983	
Kennebunkport, Town of	230170	4/18/1983	
Kittery, Town of	230171	7/5/1984	
Lebanon, Town of	230193	9/13/2002	
Limerick, Town of	230194	2/1/1985	
Limington, Town of	230152	4/1/1982	
Lyman, Town of	230195	5/15/1991	
Newfield, Town of	230196	6/5/1985	
North Berwick, Town	230197	2/1/1985	
Ogunquit, Town of	230632	7/5/1983	8
Old Orchard Beach, Town of	230153	7/5/1984	8
Parsonfield, Town of	230154	12/18/1979	
Saco, City of	230155	1/5/1984	8
Sanford, Town of	230156	3/4/1985	
Shapleigh, Town of	230198	8/5/1985	
South Berwick, Town	230157	6/5/1985	8
Waterboro, Town of	230199	2/1/1985	
Wells, Town of	230158	7/5/1983	9
York, Town of	230159	12/15/1983	8

All 29 municipalities in York County participate in the National Flood Insurance Program (NFIP). Seven communities go beyond the NFIP's minimum standards for floodplain management and participate in the Community Rating System (CRS). Discounts may be available on flood insurance premiums for policy holders in those communities.

16. Implementation of Mitigation Actions

Requirement §201.6(c)(3)(iii): (The mitigation strategy section shall include) an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented and administered at the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

Elements	A. Does the new or updated mitigation strategy include (a discussion about) how the actions are prioritized? (For example, is there a discussion of the process and the criteria used?)
	B. Does the new or updated mitigation strategy address how the actions will be implemented and administered, including the responsible department, existing and potential resources and the timeframe to complete each action?
	C. Does the new or updated prioritization process include an emphasis on the use of a cost-benefit review to maximize benefits?
	D. Does the updated plan identify the completed, deleted or deferred mitigations as a benchmark for progress, and if actions are unchanged (i.e., deferred) does the updated plan describe why no changes occurred?

- A. See introductory statements to Prioritized Mitigation Projects for a discussion about how these projects were prioritized.
- B. See Prioritized Mitigation Projects for a project-by-project summary of costs, timeframe and responsible party.
- C. See the Goal statement at the beginning of the Prioritized Mitigation Projects table. MEMA will utilize the cost benefit analysis prepared by applicants when they apply for mitigation funding.
- D. See the Status column in Table 1, General Goals, Objectives and Mitigation Actions. See the Status column in Table 2, Summary of Hazard Mitigation Projects by Municipality.

The municipalities of the 29 towns in York County have reviewed the maps and no changes were made, except for the Town of Newfield, which has been updated. Following are the maps.