

| Project # | Restoration Activities | Y-1 | Y-2 | Y-3 | Y-4 | Y-5 | Y-6 | Est. Cost | Date Completed / Notes |
|-----------|---|-----|-----|-----|-----|-----|-----|-----------------|---|
| 1 | Illicit Discharge Elimination Program | x | x | x | | | | \$ 212,700.00 | Completed 2006 (\$261K), also completed the DNA project (\$69K) |
| 2 | Sampling for Bacteria & Phosphorus | x | | x | | x | | \$ 27,720.00 | no action |
| 2a | Sampling for Benthics | | x | | x | | x | \$ 9,900.00 | On-going since 1994. HRWC studies 4 sites on Malletts Creek annually. Reports are available. |
| 3 | USGS Stream Gage - Continue Operation | x | x | x | x | x | x | \$ 54,000.00 | Installed - http://waterdata.usgs.gov/mi/nwis/uv?04174518 |
| 4 | Enforce Existing Ordinances | | | | | | | \$ 450,000.00 | City SESC Staff reduced ~50% since 2000; Pittsfield SESC handled by Stantec |
| 5 | Ordinance & Code Revisions for Stormwater Quality & Management | x | x | x | x | x | x | \$ 360,000.00 | Chapter 63 revised 6/5/00 and 12/16/02, Fertilizer Ord. 02/06/06 |
| 6 | Stream Maintenance (routine) | x | x | x | x | x | x | \$ 195,000.00 | \$70K |
| 7 | Public Education Program | x | x | x | x | x | x | \$ 720,000.00 | HRWC provides education to the public who participate in annual monitoring of 4 stream sites. |
| 8 | Design In-System Storage Structures for Large Storm Drain Outlets | x | x | | | | | \$ 75,000.00 | In City CIP - Design FY 08-09, Construction FY 10-11 Total cost \$1,273,000.00 |
| 9 | Remedy 10-yr. Storm Flooding Problem - Design Solution for Oakbrook Drive Crossing | x | | | | | | \$ 10,000.00 | No action |
| 10 | Investigate 100-yr. Storm Flooding Problems - Determine Responsibilities | x | | | | | | \$ 20,000.00 | No action known, refer to Janis |
| 8a | Construction of In-System Storage Structures | | x | x | | | | \$ 1,198,214.00 | See Project # 8 |
| 9a | Remedy 10-yr. Storm Flooding Problem - Start Construction | | x | | | | | \$ 42,600.00 | |
| 11 | Start Detention Pond Study throughout the Watershed (Survey & Design 40 ponds/year) | | x | x | x | | | \$ 696,360.00 | City SPU began this in 2005 using interns to inventory all detention facilities within the City (300+), completion expected near end of 2007. |
| 12 | Design Structural Repairs to Stream - To be done by Petition. | | x | | | | | \$ 150,000.00 | No action |
| 11a | Start Detention Ponds Retrofits - Outlet Structures, Wetlands and Sediment Forbay | | | x | x | x | | \$ 2,218,250.00 | |
| 12a | Structural Repairs to Stream - Start Construction | | | x | x | x | | \$ 4,837,815.00 | |

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|-----------------|---|--|--|---|---|---|---|------------------|--|
| 13 | Residential Street Sweeping - Phase 1 - Area F - Monthly Sweeping Recommended | | | x | | | | \$ 10,100.00 | Not Implemented - City currently sweeping all areas 2X annually and the Downtown area weekly |
| 14 | Brown Park Pond Improvements - Design | | | x | | | | \$ 250,000.00 | Completed 2005 |
| 15 | County Farm Park Wetlands - Design | | | x | | | | \$ 50,000.00 | Determined Not Feasible |
| 13a | Residential Street Sweeping - Phase 2 - Area F & C - Monthly Sweeping Recommended | | | | x | | | \$ 27,000.00 | Not Implemented - City currently sweeping all areas 2X annually and the Downtown area weekly |
| 14a | Brown Park Pond Improvements - Start Construction | | | | x | x | | \$ 2,244,163.00 | Started 2006 |
| 15a | County Farm Park - Start Construction | | | | x | x | | \$ 263,600.00 | Determined Not Feasible |
| 13b | Residential Street Sweeping - Phase 3 - All Areas - Monthly Sweeping Recommended | | | | | x | x | \$ 134,800.00 | Not Implemented - City currently sweeping all areas 2X annually and the Downtown area weekly |
| 14b | Brown Park Pond - Monitoring | | | | | x | x | \$ 35,000.00 | Pre-construction water quality, benthic and FQA complete. Where is the data? |
| 15b | County Farm Park Wetland Pond - Monitoring | | | | | x | x | \$ 35,000.00 | Determined Not Feasible |
| 16 | Sweep Commercial Streets on a Monthly basis | | | | | x | x | \$ 68,800.00 | |
| 17 | Stream Bank Stabilization - Design | | | | | x | | \$ 208,000.00 | |
| 18 | Habitat Improvements - Design | | | | | x | | \$ 22,000.00 | |
| 19 | Pilot Project - Catch Basin Restriction | | | | | x | | \$ 1,169,329.00 | |
| 20 | Catch Basin Cleaning - Clean 2x/year | | | | | x | x | \$ 944,300.00 | Higher level of service than currently provided - City currently on a once ever 5 year cycle, except water quality units that are cleaned 1X per year. Cycle likely to be modified based on recommendations of the 2007-2008 Stormwater GIS/Model Project. |
| 17a | Stream Bank Stabilization - Implement | | | | | | x | \$ 2,211,311.00 | |
| 18a | Habitat Improvements - Implement | | | | | | x | \$ 174,000.00 | |
| Year # 1 = 2000 | | | | | | | | \$ 19,124,962.00 | |