

SECTION V

| TABLE 9a | | | | | | | | | | | | | | | | |
|---|--|----------------------------|--|---------------------------------------|----------------------------|-----------|-----------|-----------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|-------------------------------------|
| STORM WATER MANAGEMENT PROGRAMS - CITY OF RICHFIELD | | | | | | | | | | | | | | | | |
| TABLE 11 | | | | | Proposed Expenses for Year | | | | | | | | | | | |
| No. | Project Description | Cost Estimate ¹ | Community Responsible for Implementing | Potential Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | Comments |
| 1 | Perform LGU and permitting authority role | \$62,000 | Richfield | Development fees | \$6,200 | \$6,200 | \$6,200 | \$6,200 | \$6,200 | \$31,000 | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | Prorated from City-wide total (62%) |
| 2 | Perform water quality and quantity management and routine pond cleanout to meet water quality and TMDL standards | \$1,240,000 | Richfield | Storm water utility | \$124,000 | \$124,000 | \$124,000 | \$124,000 | \$124,000 | \$620,000 | <u>\$124,000</u> | <u>\$124,000</u> | <u>\$124,000</u> | <u>\$124,000</u> | <u>\$124,000</u> | Prorated from City-wide total (62%) |
| 3 | Conduct erosion control inspections of construction sites | \$62,000 | Richfield | Storm water utility; Development fees | \$6,200 | \$6,200 | \$6,200 | \$6,200 | \$6,200 | \$31,000 | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | Prorated from City-wide total (62%) |
| 4 | Maintain and update GIS database, storm sewer map, and hydrologic model | \$31,000 | Richfield | Storm water utility | \$3,100 | \$3,100 | \$3,100 | \$3,100 | \$3,100 | \$45,500 | <u>\$3,100</u> | <u>\$3,100</u> | <u>\$3,100</u> | <u>\$3,100</u> | <u>\$3,100</u> | Prorated from City-wide total (62%) |
| 5 | Maintain and update RBWMD & City website for surface water management education | \$12,400 | Richfield | Storm water utility | \$1,240 | \$1,240 | \$1,240 | \$1,240 | \$1,240 | \$6,200 | <u>\$1,240</u> | <u>\$1,240</u> | <u>\$1,240</u> | <u>\$1,240</u> | <u>\$1,240</u> | Prorated from City-wide total (62%) |
| 6 | Prepare and distribute information in City utility billings | \$62,000 | Richfield | Storm water utility | \$6,200 | \$6,200 | \$6,200 | \$6,200 | \$6,200 | \$31,000 | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | Prorated from City-wide total (62%) |
| 7 | Sweep streets twice per year | \$992,000 | Richfield | Storm water utility | \$99,200 | \$99,200 | \$99,200 | \$99,200 | \$99,200 | \$496,000 | <u>\$99,200</u> | <u>\$99,200</u> | <u>\$99,200</u> | <u>\$99,200</u> | <u>\$99,200</u> | Prorated from City-wide total (62%) |
| 8 | Inspect 20% of storm sewer system including outfalls, ponds, and structural pollution control devices | \$62,000 | Richfield | Storm water utility | \$6,200 | \$6,200 | \$6,200 | \$6,200 | \$6,200 | \$31,000 | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | Prorated from City-wide total (62%) |
| 9 | Conduct water quality monitoring for major water bodies | \$93,000 | Richfield | Storm water utility | \$9,300 | \$9,300 | \$9,300 | \$9,300 | \$9,300 | \$46,500 | <u>\$9,300</u> | <u>\$9,300</u> | <u>\$9,300</u> | <u>\$9,300</u> | <u>\$9,300</u> | Prorated from City-wide total (62%) |

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| TABLE 9a | | | | | | | | | | | | | | | | |
|---|---|------------------------------------|--|---------------------------|----------------------------|------------|------------|------------|------------|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------------|
| STORM WATER MANAGEMENT PROGRAMS - CITY OF RICHFIELD | | | | | | | | | | | | | | | | |
| TABLE 11 | | | | | Proposed Expenses for Year | | | | | | | | | | | |
| No. | Project Description | Cost Estimate ¹ | Community Responsible for Implementing | Potential Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | Comments |
| 10 | Prepare and submit annual SWPPP report and MCWD report | \$49,600 | Richfield | Storm water utility | \$4,960 | \$4,960 | \$4,960 | \$4,960 | \$4,960 | \$24,800 | <u>\$4,960</u> | <u>\$4,960</u> | <u>\$4,960</u> | <u>\$4,960</u> | <u>\$4,960</u> | Prorated from City-wide total (62%) |
| 11 | Continue management of Wood Lake Perimeter Treatment System | \$46,500 | Richfield | Storm water utility | \$3,100 | \$3,100 | \$3,100 | \$3,100 | \$3,100 | \$34,000 | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | <u>\$6,200</u> | Prorated from City-wide total (62%) |
| Totals | | \$4,410,500- <u>\$2,712,500</u> | Richfield Contribution | | \$ 269,700 | \$ 269,700 | \$ 269,700 | \$ 269,700 | \$ 269,700 | \$ 1,364,000 | <u>\$ 272,800</u> | <u>\$ 272,800</u> | <u>\$ 272,800</u> | <u>\$ 272,800</u> | <u>\$ 272,800</u> | |
| | | | Bloomington Contribution | | | | | | | | | | | | | |

1) Cost estimates provided are for planning purposes only. Cost estimates are subject to change and/or updates.

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| TABLE 9b | | | | | | | | | | | | | | | | | |
|---|--|----------------------------|-------------|----------------------|----------|----------|----------|----------|----------|----------------------|----------|----------|----------|----------|----------|------------------|------------------------------------|
| SURFACE WATER MANAGEMENT OPERATION AND MAINTENANCE PROGRAMS - CITY OF BLOOMINGTON | | | | | | | | | | | | | | | | | |
| TABLE 11 | | | | | | | | | | | | | | | | | |
| No. | Project Description | Cost Estimate ^a | | Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | BMP # from SWPPP | Comments |
| A. In-Place Programs | | | | | | | | | | | | | | | | | |
| SMP-1 | Storm Sewer Mainline Inspections. | \$26,100 | Bloomington | Storm water utility | \$2,250 | \$2,250 | \$2,700 | \$2,700 | \$2,700 | \$13,500 | \$2,700 | \$2,700 | \$2,700 | \$2,700 | \$2,700 | 27 | Prorated from City-wide total (9%) |
| SMP-2 | Annual Storm Sewer Inspections. | \$31,500 | Bloomington | Storm water utility | \$3,150 | \$3,150 | \$3,150 | \$3,150 | \$3,150 | \$16,750 | \$3,150 | \$3,150 | \$3,150 | \$3,150 | \$3,150 | 30 | Prorated from City-wide total (9%) |
| SMP-3 | Storm Sewer Maintenance Projects. | \$270,000 | Bloomington | Storm water utility | \$27,000 | \$27,000 | \$27,000 | \$27,000 | \$27,000 | \$135,000 | \$27,000 | \$27,000 | \$27,000 | \$27,000 | \$27,000 | 29 | Prorated from City-wide total (9%) |
| SMP-4 | Sweep streets twice annually in all areas, and early in priority areas. | \$585,000 | Bloomington | Storm water utility | \$58,500 | \$58,500 | \$58,500 | \$58,500 | \$58,500 | \$292,500 | \$58,500 | \$58,500 | \$58,500 | \$58,500 | \$58,500 | 47 | Prorated from City-wide total (9%) |
| SMP-5 | Work cooperatively with the activities of the watershed districts & watershed management organizations | \$10,800 | Bloomington | Storm water utility | \$1,800 | \$1,800 | \$1,800 | \$1,800 | \$1,800 | \$1,800 | \$360 | \$360 | \$360 | \$360 | \$360 | | Prorated from City-wide total (9%) |
| SMP-6 | Provide review of all plans for new development or redevelopment of sites within the City to meet all applicable standards. Includes cost for City staff as well as any consultant review time. | \$13,500 | Bloomington | Storm water utility | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$6,750 | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$1,350 | 36 | Prorated from City-wide total (9%) |
| SMP-7 | Review certificate of surveys for each building site proposed for development. | \$3,600 | Bloomington | Storm water utility | \$360 | \$360 | \$360 | \$360 | \$360 | \$1,800 | \$360 | \$360 | \$360 | \$360 | \$360 | 37 | Prorated from City-wide total (9%) |
| SMP-8 | Continue the program of permitting and inspecting privately owned storm sewer connections to the City system. | \$9,000 | Bloomington | Public Works | \$900 | \$900 | \$900 | \$900 | \$900 | \$4,500 | \$900 | \$900 | \$900 | \$900 | \$900 | 26 | Prorated from City-wide total (9%) |
| SMP-9 | Perform Local Government Unit (LGU) Role for Wetland Conservation Act | \$7,200 | Bloomington | Storm water utility | \$720 | \$720 | \$720 | \$720 | \$720 | \$3,600 | \$720 | \$720 | \$720 | \$720 | \$720 | | Prorated from City-wide total (9%) |
| SMP-10 | Sponsor Curb-side-clean-up day | \$598,500 | Bloomington | Solid Waste Division | \$59,850 | \$59,850 | \$59,850 | \$59,850 | \$59,850 | \$299,250 | \$59,850 | \$59,850 | \$59,850 | \$59,850 | \$59,850 | 9 | Prorated from City-wide total (9%) |
| SMP-13 | Engineering staff inspection & enforcement of erosion control measures required for site development activities within the City with the NPDES Erosion Control Program now being administered by the MPCA. | \$45,000 | Bloomington | Storm water utility | \$4,500 | \$4,500 | \$4,500 | \$4,500 | \$4,500 | \$22,500 | \$4,500 | \$4,500 | \$4,500 | \$4,500 | \$4,500 | 39 | Prorated from City-wide total (9%) |

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| TABLE 9b | | | | | | | | | | | | | | | | | |
|--|---|----------------------------|-------------|---------------------|-----------|-----------|-----------|-----------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------------------------|
| SURFACE WATER MANAGEMENT OPERATION AND MAINTENANCE PROGRAMS - CITY OF BLOOMINGTON | | | | | | | | | | | | | | | | | |
| TABLE 11 | | | | | | | | | | | | | | | | | |
| No. | Project Description | Cost Estimate ^a | | Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | BMP # from SWPPP | Comments |
| SMP-14 | Revisit and redefine water quality monitoring program to establish existing quality, identify concerns and/or needs for Corrective Actions. It is anticipated that the monitoring program would help determine the quality of water discharged from the City. | \$13,500 | Bloomington | Storm water utility | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$6,750 | <u>\$1,350</u> | <u>\$1,350</u> | <u>\$1,350</u> | <u>\$1,350</u> | <u>\$1,350</u> | From 2000 Plan | Prorated from City-wide total (9%) |
| SMP-15 | Continue implementation of the Wetland Vegetation Treatment Policy | \$9,000 | Bloomington | Storm Water Utility | \$900 | \$900 | \$900 | \$900 | \$900 | \$4,500 | <u>\$900</u> | <u>\$900</u> | <u>\$900</u> | <u>\$900</u> | <u>\$900</u> | | Prorated from City-wide total (9%) |
| SMS-16 | Update City's GIS system to show infrastructure improvements | \$22,500 | Bloomington | Storm water utility | \$2,250 | \$2,250 | \$2,250 | \$2,250 | \$2,250 | \$11,250 | <u>\$2,250</u> | <u>\$2,250</u> | <u>\$2,250</u> | <u>\$2,250</u> | <u>\$2,250</u> | 19 | Prorated from City-wide total (9%) |
| SMP-17 | Continue implementation of Drainage and Erosion Control Ordinance and determine if any revisions are needed. | \$4,500 | Bloomington | Storm water utility | \$450 | \$450 | \$450 | \$450 | \$450 | \$2,250 | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | 35 | Prorated from City-wide total (9%) |
| Subtotal: | | \$1,649,700 | | | \$165,330 | \$165,330 | \$165,780 | \$165,780 | \$165,780 | \$821,700 | <u>\$164,340</u> | <u>\$164,340</u> | <u>\$164,340</u> | <u>\$164,340</u> | <u>\$164,340</u> | | |
| B. Programs identified in the Wetland Protection and Management Plan Also InPlace | | | | | | | | | | | | | | | | | |
| SMP-18 | Implementation of community education plan to increase the residents awareness concerning proper water resource management | \$13,500 | Bloomington | Storm water utility | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$6,750 | <u>\$1,350</u> | <u>\$1,350</u> | <u>\$1,350</u> | <u>\$1,350</u> | <u>\$1,350</u> | 4 | Prorated from City-wide total (9%) |
| SMP-19 | Adopt-a-Wetland Program | \$1,800 | Bloomington | Park maintenance | \$180 | \$180 | \$180 | \$180 | \$180 | \$900 | <u>\$180</u> | <u>\$180</u> | <u>\$180</u> | <u>\$180</u> | <u>\$180</u> | 12 | Prorated from City-wide total (9%) |
| SMP-20 | Wetland Health Evaluation Program | \$4,500 | Bloomington | Storm water utility | \$450 | \$450 | \$450 | \$450 | \$450 | \$2,250 | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | | Prorated from City-wide total (9%) |
| SMP-21 | Implement invasive exotic species vegetation control program | \$1,350 | Bloomington | Park maintenance | \$135 | \$135 | \$135 | \$135 | \$135 | \$675 | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | | Prorated from City-wide total (9%) |
| Subtotal: | | \$21,150 | | | \$2,115 | \$2,115 | \$2,115 | \$2,115 | \$2,115 | \$10,675 | <u>\$2,115</u> | <u>\$2,115</u> | <u>\$2,115</u> | <u>\$2,115</u> | <u>\$2,115</u> | | |
| C. New programs identified in the Surface Water Management Plan | | | | | | | | | | | | | | | | | |

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| TABLE 9b | | | | | | | | | | | | | | | | | |
|---|--|----------------------------|-------------|--|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------------------|------------------------------------|
| SURFACE WATER MANAGEMENT OPERATION AND MAINTENANCE PROGRAMS - CITY OF BLOOMINGTON | | | | | | | | | | | | | | | | | |
| TABLE 11 | | | | | | | | | | | | | | | | | |
| No. | Project Description | Cost Estimate ^a | | Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | BMP # from SWPPP | Comments |
| SMP-21 | US Fish & Wildlife Service and Watershed District to address water quality issues of Minnesota River Valley and Hyland Lake. | \$1,350 | Bloomington | Storm water utility, Watershed Districts, Three Rivers Parks | \$135 | \$135 | \$135 | \$135 | \$135 | \$675 | \$135 | \$135 | \$135 | \$135 | \$135 | | Prorated from City-wide total (9%) |
| SMP-22 | The City will administer the education activity implementation plan to address each minimum control measure. | \$13,500 | Bloomington | Public Works | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$6,750 | \$1,350 | \$1,350 | \$1,350 | \$1,350 | \$1,350 | 1, 4 | Prorated from City-wide total (9%) |
| SMP-23 | Public notice of annual report and annual public meeting to inform the public on the status of SWPPP and annual report. | \$1,350 | Bloomington | Storm Utility | \$135 | \$135 | \$135 | \$135 | \$135 | \$675 | \$135 | \$135 | \$135 | \$135 | \$135 | 2, 15 | Prorated from City-wide total (9%) |
| SMP-24 | Publish water resources articles in the Bloomington Briefing. | \$1,800 | Bloomington | Storm Utility | \$180 | \$180 | \$180 | \$180 | \$180 | \$900 | \$180 | \$180 | \$180 | \$180 | \$180 | 8 | Prorated from City-wide total (9%) |
| SMP-25 | Maintain the City's website as a tool for residents to research water resources related topics. | \$2,250 | Bloomington | Storm Utility Public Works | \$225 | \$225 | \$225 | \$225 | \$225 | \$1,125 | \$225 | \$225 | \$225 | \$225 | \$225 | 11 | Prorated from City-wide total (9%) |
| SMP-26 | Establish an erosion control hotline number for receiving erosion control related calls. | \$6,750 | Bloomington | Storm Utility | \$675 | \$675 | \$675 | \$675 | \$675 | \$3,375 | \$675 | \$675 | \$675 | \$675 | \$675 | 13 | Prorated from City-wide total (9%) |
| SMP-27 | Promote the use of Hennepin County Hazardous Waste Disposal Center. | \$900 | Bloomington | Public Works | \$90 | \$90 | \$90 | \$90 | \$90 | \$450 | \$90 | \$90 | \$90 | \$90 | \$90 | 14 | Prorated from City-wide total (9%) |
| SMP-28 | Develop a complaint line for the public to report suspected illicit discharges, spills, or illegal dumping. | \$1,620 | Bloomington | Storm Utility/ Envl. Health | \$0 | \$180 | \$180 | \$180 | \$180 | \$900 | \$180 | \$180 | \$180 | \$180 | \$180 | 16 | Prorated from City-wide total (9%) |
| SMP-29 | Implement the Zero Phosphorus Fertilizer Ordinance. | \$450 | Bloomington | Public Works/Legal | \$45 | \$45 | \$45 | \$45 | \$45 | \$225 | \$45 | \$45 | \$45 | \$45 | \$45 | 18 | Prorated from City-wide total (9%) |
| SMP-30 | Develop a map of the City's existing storm sewer system in GIS, and continually update private storm sewer systems. | \$25,650 | Bloomington | Storm Utility | \$1,350 | \$2,700 | \$2,700 | \$2,700 | \$2,700 | \$13,500 | \$2,700 | \$2,700 | \$2,700 | \$2,700 | \$2,700 | 19, 25 | Prorated from City-wide total (9%) |
| SMP-31 | Develop an inspection program to detect non-storm water discharges. | \$5,850 | Bloomington | Storm Utility | \$0 | \$2,250 | \$450 | \$450 | \$450 | \$2,250 | \$450 | \$450 | \$450 | \$450 | \$450 | 22 | Prorated from City-wide total (9%) |

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| TABLE 9b | | | | | | | | | | | | | | | | | |
|---|--|----------------------------|-------------|-------------------------------|----------|----------|----------|----------|----------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------------------------|
| SURFACE WATER MANAGEMENT OPERATION AND MAINTENANCE PROGRAMS - CITY OF BLOOMINGTON | | | | | | | | | | | | | | | | | |
| TABLE 11 | | | | | | | | | | | | | | | | | |
| No. | Project Description | Cost Estimate ^a | | Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | BMP # from SWPPP | Comments |
| SMP-32 | Sanitary sewer video inspections to reduce the risk of raw sewage entering the storm sewer system.. | \$54,000 | Bloomington | Utility Div. | \$13,500 | \$4,500 | \$4,500 | \$4,500 | \$4,500 | \$22,500 | <u>\$4,500</u> | <u>\$4,500</u> | <u>\$4,500</u> | <u>\$4,500</u> | <u>\$4,500</u> | 23 | Prorated from City-wide total (9%) |
| SMP-33 | Annual sanitary sewer maintenance to reduce the risk of raw sewage entering the storm sewer system. | \$315,000 | Bloomington | Utility Div. | \$31,500 | \$31,500 | \$31,500 | \$31,500 | \$31,500 | \$157,500 | <u>\$31,500</u> | <u>\$31,500</u> | <u>\$31,500</u> | <u>\$31,500</u> | <u>\$31,500</u> | 24 | Prorated from City-wide total (9%) |
| SMP-34 | Develop and implement an operations and maintenance program and training component to reduce pollutant loading from municipal operations. | \$4,500 | Bloomington | Storm Utility Public Works | \$450 | \$450 | \$450 | \$450 | \$450 | \$2,250 | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | 31 | Prorated from City-wide total (9%) |
| SMP-35 | Provide erosion control training for City staff responsible for erosion control inspections. | \$4,500 | Bloomington | Storm Utility/ Engineering | \$450 | \$450 | \$450 | \$450 | \$450 | \$2,250 | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | 32 | Prorated from City-wide total (9%) |
| SMP-36 | Continue to provide turf reestablishment/permanent erosion control plans on all City improvement projects. | \$45,000 | Bloomington | Storm Utility/ Engineering | \$4,500 | \$4,500 | \$4,500 | \$4,500 | \$4,500 | \$22,500 | <u>\$4,500</u> | <u>\$4,500</u> | <u>\$4,500</u> | <u>\$4,500</u> | <u>\$4,500</u> | 38 | Prorated from City-wide total (9%) |
| SMP-37 | The use of inlet protection on all storm sewer inlets are required on City construction projects. | \$4,500 | Bloomington | Storm Utility/ Engineering | \$450 | \$450 | \$450 | \$450 | \$450 | \$2,250 | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | 40 | Prorated from City-wide total (9%) |
| SMP-38 | Implement the Shore Area Regulations within the City to protect shore areas and adjacent water bodies. | \$1,350 | Bloomington | Community Development | \$135 | \$135 | \$135 | \$135 | \$135 | \$675 | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | 41 | Prorated from City-wide total (9%) |
| SMP-39 | Implement the special zoning overlay districts for Planned Development Overlay Policy, Flood Hazard Overlay District, and Bluff Protection Overlay District. | \$4,500 | Bloomington | Community Development | \$450 | \$450 | \$450 | \$450 | \$450 | \$2,250 | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | 42 | Prorated from City-wide total (9%) |
| SMP-40 | Continue routine meetings with other water resources staff from neighboring communities and agencies to discuss storm water issues and accomplishments. | \$1,350 | Bloomington | Storm Utility | \$135 | \$135 | \$135 | \$135 | \$135 | \$675 | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | <u>\$135</u> | 46 | Prorated from City-wide total (9%) |
| SMP-41 | Maintain records of inspection activities and results, and other pertinent information as required by SWPPP. | \$4,500 | Bloomington | Storm Utility | \$450 | \$450 | \$450 | \$450 | \$450 | \$2,250 | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | <u>\$450</u> | 47 | Prorated from City-wide total (9%) |
| | Subtotal: | \$500,670 | | | \$56,205 | \$50,985 | \$49,185 | \$49,185 | \$49,185 | \$245,925 | <u>\$49,185</u> | <u>\$49,185</u> | <u>\$49,185</u> | <u>\$49,185</u> | <u>\$49,185</u> | | |
| | Totals | \$2,171,520 | | Richfield Contribution | | | | | | | | | | | | | |

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| TABLE 9b | | | | | | | | | | | | | | | | | |
|---|---------------------|----------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|------------------|----------|--|
| SURFACE WATER MANAGEMENT OPERATION AND MAINTENANCE PROGRAMS - CITY OF BLOOMINGTON | | | | | | | | | | | | | | | | | |
| TABLE 11 | | | | | | | | | | | | | | | | | |
| No. | Project Description | Cost Estimate ^a | Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | BMP # from SWPPP | Comments | |
| | | | Bloomington Contribution | \$223,650 | \$218,430 | \$217,080 | \$217,080 | \$217,080 | \$4,078,200 | \$215,640 | \$215,640 | \$215,640 | \$215,640 | \$215,640 | | | |

a) Cost estimates based on year 2006 dollars. Estimates do not take inflation into account. Estimates are for planning purposes only and are not based on engineering feasibility reports.

Notes: The funding sources identified do not necessarily reflect the sources identified in the Wetland Protection and Management Plan and are subject to change.

SECTION V

| TABLE 10 | | | | | | | | | | | | | | | | |
|--------------------------------|--|----------------------------|--|---------------------------|----------------------------|----------|------|------|----------|-----------|------|------|------|------|----------|-------------------------------------|
| STORM WATER MANAGEMENT STUDIES | | | | | | | | | | | | | | | | |
| TABLE 11 | | | | | Proposed Expenses for Year | | | | | | | | | | | |
| SMS No. | Project Description | Cost Estimate ¹ | Community Responsible for Implementing | Potential Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | Comments |
| 1 | Develop buffer management plan for wetlands | \$5,000 | Richfield | Storm Water Utility | \$5,000 | \$5,000 | | | | | | | | | | Prorated from City-wide total (62%) |
| 2 | Complete Adam's Hill Pond water quality feasibility study to identify options to provide additional water quality treatment for area. | \$35,000 | Richfield | Storm Water Utility | | \$35,000 | | | | | | | | | | |
| 3 | Complete Wood Lake water quality feasibility study to identify options to provide additional water quality treatment for area. | \$35,000 | Richfield | Storm Water Utility | | | | | \$35,000 | | | | | | \$35,000 | |
| 4 | Review and update erosion control ordinance to be in conformance with this Plan and NPDES | \$4,300 | Richfield | Storm Water Utility | \$4,300 | | | | | | | | | | | Prorated from City-wide total (62%) |
| 5 | Update Water Resource Management ordinance to be in conformance with this plan | \$4,300 | Richfield | Storm Water Utility | | \$4,300 | | | | | | | | | | Prorated from City-wide total (62%) |
| 6 | Develop wetland ordinance (or include with water resource management ordinance) | \$3,100 | Richfield | Storm Water Utility | | \$3,100 | | | | | | | | | | Prorated from City-wide total (62%) |
| 7 | Complete water quality and quantity feasibility study to address improvements in for Problem Area 26: Wilson Pond to the west of 15th Avenue between 73rd and 75th Streets and Washington Park areas. | \$35,000 | Richfield | Storm Water Utility | | | | | \$35,000 | | | | | | | <u>In Process</u> |

SECTION V

| STORM WATER MANAGEMENT STUDIES | | | | | | | | | | | | | | | | |
|--------------------------------|--|---------------------------------------|--|------------------------------|----------------------------|---------|---------|---------|---------|--------------------|----------------|----------------|----------------|----------------|-----------------|---|
| TABLE 11 | | | | | Proposed Expenses for Year | | | | | | | | | | | |
| SMS No. | Project Description | Cost Estimate ¹ | Community Responsible for Implementing | Potential Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | Comments |
| 8 | Review road salt application practices and review alternative products (as available) | \$4,800 | Richfield | Storm Water Utility | | \$1,200 | | \$1,200 | | \$2,400 | | | | | <u>\$2,400</u> | |
| 9 | Develop shoreland ordinance | \$6,200 | Richfield | Storm Water Utility | | | | | \$6,200 | | | | | | | |
| 10 | Complete TMDL feasibility study once TMDL studies are complete | \$31,000 | Richfield | Storm Water Utility | | | | | | \$31,000 | | | | | <u>\$31,000</u> | Funding has been included here as a placeholder since actual costs are unknown. |
| 11 | Support Mn/DOT in addressing Problem Area 46: I-494 and Portland Avenue area | \$3,100 | Richfield | Storm Water Utility | | | | | | \$3,100 | | | | | <u>\$3,100</u> | |
| | Implement the illicit discharge elimination regulatory mechanism. | \$10,000 | Bloomington | Storm Utility/ Env'l. Health | \$10,000 | | | | | | | | | | | |
| | Publish and distribute brochures or post information on City's web site about hazards of illegal discharges and improper disposal of wastes. | \$7,500 <u>\$13,500</u> | Bloomington / Richfield | Public Works | \$7,500 | | | | | | <u>\$1,200</u> | <u>\$1,200</u> | <u>\$1,200</u> | <u>\$1,200</u> | <u>\$1,200</u> | |
| | Update wetland function and value inventory | \$25,000 | Bloomington | Storm Utility | \$25,000 | | | | | | | | | | | <u>Work Completed</u> |
| | Administer a regulatory mechanism to control the post-construction runoff rate to level equal or below pre-construction rates. | \$10,000 | Bloomington | Storm Utility/ Engineering | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$5,000 | <u>\$1,000</u> | <u>\$1,000</u> | <u>\$1,000</u> | <u>\$1,000</u> | <u>\$1,000</u> | |

SECTION V

| STORM WATER MANAGEMENT STUDIES | | | | | | | | | | | | | | | | |
|--------------------------------|---|----------------------------|--|----------------------------------|----------------------------|---------------------|---------|----------|---------------------|----------------------|-----------------|----------------|----------------|----------------|------------------|----------------|
| TABLE 11 | | | | | Proposed Expenses for Year | | | | | | | | | | | |
| SMS No. | Project Description | Cost Estimate ¹ | Community Responsible for Implementing | Potential Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | Comments |
| | Erosion control ordinance | \$10,000 | Bloomington | Storm water utility/General fund | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$5,000 | <u>\$1,000</u> | <u>\$1,000</u> | <u>\$1,000</u> | <u>\$1,000</u> | <u>\$1,000</u> | |
| | Update wetland function and value inventory | \$25,000 | Bloomington | Storm Utility | \$25,000 | | | | | | | | | | | |
| Totals | | \$219,300 | Richfield Contribution | | -\$9,300 | \$43,600 | \$ - | \$ 1,200 | \$76,200 | \$ 36,500 | <u>\$ 600</u> | <u>\$ 600</u> | <u>\$ 600</u> | <u>\$ 600</u> | <u>\$ 72,100</u> | |
| | | <u>\$235,300</u> | Bloomington Contribution | | <u>\$4,300</u> | <u>\$48,600</u> | \$2,000 | \$2,000 | \$2,000 | \$2,000 | <u>\$40,000</u> | <u>\$2,600</u> | <u>\$2,600</u> | <u>\$2,600</u> | <u>\$2,600</u> | <u>\$2,600</u> |

1) Cost estimates provided are for planning purposes only. Cost estimates are subject to change and/or updates.

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| TABLE 11 | | | | | | | | | | | | | | | | |
|------------------------------|--|-------------------------------------|--|------------------------------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|------|------|------|------|-----------|--|
| CAPITAL IMPROVEMENT PROJECTS | | | | | | | | | | | | | | | | |
| Capital Improvement Projects | | | | | Proposed Expenses for Year | | | | | | | | | | | Comments |
| No. | Project Description | Cost Estimate ¹ | Community Responsible for Implementing | Potential Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | |
| 1 | Construct Richfield Lake Water Quality perimeter system | \$650,000 | Richfield | Storm Water Utility | \$325,000 | \$325,000 | | | | | | | | | | |
| 2 | Undertake improvements to address Problem Area 9: 68th Street between Newton and Oliver | \$150,000 \$0 | Richfield | Storm Water Utility | | | \$150,000 | | | | | | | | | Neighborhood rejected the City's proposal |
| 3 | Smith's Pond/Wright's Lake Drainage Area Install trap manhole at <u>Wright's Lake</u> (04-01) | \$10,000 | Bloomington | Storm Water Utility | | | \$10,000 | | | | | | | | | |
| 4 | Undertake improvements to address Problem Area 12: Girard alley flooding | \$200,000 | Richfield | Storm Water Utility | | \$200,000 | | | | | | | | | | Work Completed |
| 5 | Undertake improvements to address Problem Area 40: 65th and 66th at Newton and Morgan Avenues | \$200,000 | Richfield | Storm Water Utility | | | | | \$200,000 | | | | | | | Work Completed |
| 6 | Construct Augsburg Pond Lift Station and Forcemain | \$375,000 | Richfield | Storm Water Utility | | \$375,000 | | | | | | | | | | Work Completed |
| 7 | Construct active treatment system at Adam's Hill Pond | \$800,000 | Richfield | Storm Water Utility; NMCWD; grants | | | | \$800,000 | | | | | | | \$800,000 | Completed demonstration project. Delayed to future date. |
| | Airport South Long Meadow Lake Outlet | \$1,400,000 \$300,000 | Bloomington | TIF | \$1,400,000 \$300,000 | | | | | | | | | | | Work Completed |

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| CAPITAL IMPROVEMENT PROJECTS | | | | | | | | | | | | | | | | |
|------------------------------|------------------------------|--|--|---------------------------|--|-----------|--|-----------|-----------|-----------|------|------|------|------|-----------|-----------------------|
| Capital Improvement Projects | | | | | Proposed Expenses for Year | | | | | | | | | | | |
| No. | Project Description | Cost Estimate ¹ | Community Responsible for Implementing | Potential Funding Sources | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | Comments |
| | <u>Airport South Pond C.</u> | \$3,000,000 <u>\$1,400,000</u> | Bloomington | TIF | | | \$3,000,000 <u>\$1,400,000</u> | | | | | | | | | <u>Work Completed</u> |
| Totals | | | Richfield Contribution | | \$325,000 | \$900,000 | \$150,000 | \$800,000 | \$200,000 | | | | | | \$800,000 | |
| | | | Bloomington Contribution | | \$1,400,000 <u>\$300,000</u> | | \$3,010,000 <u>\$1,410,000</u> | | | | | | | | | |

1) Cost estimates provided are for planning purposes only. Detailed feasibility analyses have not been completed for these projects; therefore, cost estimates are subject to change upon final design

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| TABLE 12 | | | | | | | | | | | | | | | |
|-------------------------------------|---|----------------------------|--|--|--|--|--|-------------|------------------|------------------|------------------|------------------|------------------|--------------------|--|
| SUMMARY | | | | | | | | | | | | | | | |
| TABLE 11 | | Proposed Expenses for Year | | | | | | | | | | | | | |
| Improvements, Programs, and Studies | Totals ¹ | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013-2017 | 2013 | 2014 | 2015 | 2016 | 2017 | Comments | |
| Totals for Management Programs: | \$3,582,020 <u>\$4,884,020</u> | Richfield | \$269,700 | \$269,700 | \$269,700 | \$269,700 | \$269,700 | \$4,364,000 | <u>\$272,800</u> | <u>\$272,800</u> | <u>\$272,800</u> | <u>\$272,800</u> | <u>\$272,800</u> | | |
| | | Bloomington | \$223,650 | \$218,430 | \$217,080 | \$217,080 | \$217,080 | \$4,078,200 | <u>\$215,640</u> | <u>\$215,640</u> | <u>\$215,640</u> | <u>\$215,640</u> | <u>\$215,640</u> | | |
| Totals for Management Studies: | \$249,300 <u>\$235,300</u> | Richfield | \$9,300 \$4,300 | \$43,600 <u>\$48,600</u> | \$0 | \$1,200 | \$76,200 <u>\$41,200</u> | \$36,500 | <u>\$600</u> | <u>\$600</u> | <u>\$600</u> | <u>\$600</u> | <u>\$600</u> | <u>\$72,100</u> | |
| | | Bloomington | \$69,500 <u>\$44,500</u> | \$2,000 | \$2,000 | \$2,000 | \$2,000 | \$40,000 | <u>\$2,600</u> | <u>\$2,600</u> | <u>\$2,600</u> | <u>\$2,600</u> | <u>\$2,600</u> | <u>\$2,600</u> | |
| Totals for Capital Improvements: | \$6,785,000 <u>\$3,935,000</u> | Richfield | \$325,000 | \$900,000 | \$450,000 | \$800,000 | \$200,000 | \$0 | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$800,000</u> | |
| | | Bloomington | \$1,400,000 <u>\$300,000</u> | \$0 | \$3,040,000 <u>\$1,410,000</u> | \$0 | \$0 | \$0 | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | |
| | \$10,586,320 <u>\$9,054,320</u> | Richfield | \$604,000 <u>\$599,000</u> | \$1,213,300 <u>\$1,218,300</u> | \$449,700 <u>\$269,700</u> | \$1,070,900 <u>\$270,900</u> | \$545,900 <u>\$510,900</u> | \$4,400,500 | <u>\$273,400</u> | <u>\$273,400</u> | <u>\$273,400</u> | <u>\$273,400</u> | <u>\$273,400</u> | <u>\$1,144,900</u> | |
| | | Bloomington | \$1,693,150 <u>\$568,150</u> | \$220,430 | \$3,229,080 <u>\$1,629,080</u> | \$219,080 | \$219,080 | \$4,088,200 | <u>\$218,240</u> | <u>\$218,240</u> | <u>\$218,240</u> | <u>\$218,240</u> | <u>\$218,240</u> | <u>\$218,240</u> | |

1) Cost estimates provided are for planning purposes only. Detailed feasibility analyses have not been completed for these projects, programs, and studies; therefore, cost estimates are subject to change upon final design and/or updated information.