

Section 1
Proposed
Johnson County
Stormwater Management
Program for 2003

2003

**Johnson County Stormwater Management Program
Recommended Project Priority List**

| City | Project Number | | Maximum Project Cost | Cumulative Project Cost | County Share Including Exceed Auth. | Cummulative County Share |
|---------------|-----------------------|---|-----------------------------|--------------------------------|--|---------------------------------|
| Leawood | DB 04 024 03 | 82nd Terrace & Wenonga south to Cherokee and 86th Street | \$1,900,000 | \$1,900,000 | \$1,567,500 | \$1,567,500 |
| Overland Park | RC 10 006 | 65th Terrace and Walmer Avenue | \$117,054 | \$2,017,054 | \$162,791 | \$1,730,291 |
| Overland Park | TC 10 016 | Home Buyout 76th Terrace near Hayes and 7929/7831 Kessler | \$172,000 | \$2,189,054 | \$204,000 | \$1,934,291 |
| Shawnee | TC 21 048 | Cody, Betwen 71st and 72nd Streets | \$453,000 | \$2,642,054 | \$414,750 | \$2,349,041 |
| Shawnee | MC 21 035 02 | 19505 Midland buyout | \$503,900 | \$3,145,954 | \$452,925 | \$2,801,966 |
| Shawnee | TC 21 025 | 52nd & Quivira | \$1,418,000 | \$4,563,954 | \$1,169,850 | \$3,971,816 |
| Spring Hill | LB 22 003 | Franklin Street Storm Sewer Improvements | \$412,000 | \$4,975,954 | \$384,000 | \$4,355,816 |
| Leawood | JB 04 008 | Lee Blvd., State Line, 103rd and I-435 | \$1,887,251 | \$6,863,205 | \$1,556,982 | \$5,912,798 |
| Lenexa | MC 05 037 | Lexington Storm Drainage Improvements - Park to Widmer | \$1,231,000 | \$8,094,205 | \$1,015,575 | \$6,928,373 |
| Mission Hills | BC 07 043 | Rainbow Ave, Willow Ln, Overhill Rd between 65th St and 67th St | \$793,155 | \$8,887,360 | \$669,866 | \$7,598,239 |
| Lenexa | IC 05 014 | 103rd St, Pflumm to Flat Rock Park (DESIGN ONLY) | \$350,000 | \$9,237,360 | \$337,500 | \$7,935,739 |

07/09/2002

**Stormwater Management Program
Project Priority List for 2003**

| | |
|---|--|
| Project Number: | DB-04-024-03 Continuation Project |
| Watershed: | Dykes Branch |
| River Basin: | Blue River |
| Sponsoring City: | Leawood |
| Project Location | 82nd Terrace & Wenonga south to Cherokee & 86th Street |
| Initial Projection for Improvement Cost: | \$1,900,000 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$1,567,500 |
| Benefit Rating: | 150 |
| Cost/Benefit Rating: | 127 |
| Priority List Ranking: | 1 |

**Stormwater Management Program
Project Priority List for 2003**

| | |
|---|------------------------------|
| Project Number: | RC-10-006 |
| Watershed: | Rock Creek |
| River Basin: | Blue River |
| Sponsoring City: | Overland Park |
| Project Location | 65th Terrace & Walmer Avenue |
| Initial Projection for Improvement Cost: | \$117,054 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$162,791 |
| Benefit Rating: | 180 |
| Cost/Benefit Rating: | 650 |
| Priority List Ranking: | 2 |

**Stormwater Management Program
Project Priority List for 2003**

| | |
|---|--|
| Project Number: | TC-10-016 |
| Watershed: | Turkey Creek |
| River Basin: | Kansas River |
| Sponsoring City: | Overland Park |
| Project Location | Home Buyout 76th Terrace near Hayes & 7929/7831 Kessler |
| Initial Projection for Improvement Cost: | \$172,000 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$204,000 |
| Benefit Rating: | 140 |
| Cost/Benefit Rating: | 1229 |
| Priority List Ranking: | 3 |

**Stormwater Management Program
Project Priority List for 2003**

| | |
|---|------------------------------------|
| Project Number: | TC-21-048 |
| Watershed: | Turkey Creek |
| River Basin: | Kansas River |
| Sponsoring City: | Shawnee |
| Project Location | Cody between 71st and 72nd Streets |
| Initial Projection for Improvement Cost: | \$453,000 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$414,750 |
| Benefit Rating: | 240 |
| Cost/Benefit Rating: | 1888 |
| Priority List Ranking: | 4 |

**Stormwater Management Program
Project Priority List for 2003**

| | |
|---|----------------------|
| Project Number: | MC-21-035-02 |
| Watershed: | Mill Creek |
| River Basin: | Kansas River |
| Sponsoring City: | Shawnee |
| Project Location | 19505 Midland Buyout |
| Initial Projection for Improvement Cost: | \$503,900 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$452,925 |
| Benefit Rating: | 200 |
| Cost/Benefit Rating: | 2520 |
| Priority List Ranking: | 5 |

**Stormwater Management Program
Project Priority List for 2003**

| | |
|---|----------------|
| Project Number: | TC-21-025 |
| Watershed: | Turkey Creek |
| River Basin: | Kansas River |
| Sponsoring City: | Shawnee |
| Project Location | 52nd & Quivira |
| Initial Projection for Improvement Cost: | \$1,418,000 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$1,169,850 |
| Benefit Rating: | 510 |
| Cost/Benefit Rating: | 2780 |
| Priority List Ranking: | 6 |

**Stormwater Management Program
Project Priority List for 2003**

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|---|--|
| Project Number: | LB-22-003 |
| Watershed: | Little Bull Creek |
| River Basin: | Marais Des Cygnes |
| Sponsoring City: | Spring Hill |
| Project Location | Franklin Street Storm Sewer Improvements |
| Initial Projection for Improvement Cost: | \$412,000 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$384,000 |
| Benefit Rating: | 130 |
| Cost/Benefit Rating: | 3169 |
| Priority List Ranking: | 7 |

**Stormwater Management Program
Project Priority List for 2003**

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|---|--|
| Project Number: | JB-04-008 |
| Watershed: | James Branch |
| River Basin: | Blue River |
| Sponsoring City: | Leawood |
| Project Location | Lee Boulevard, State Line, 103rd & I-435 |
| Initial Projection for Improvement Cost: | \$1,887,251 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$1,556,982 |
| Benefit Rating: | 450 |
| Cost/Benefit Rating: | 4194 |
| Priority List Ranking: | 8 |

**Stormwater Management Program
Project Priority List for 2003**

| | |
|---|---|
| Project Number: | MC-05-037 |
| Watershed: | Mill Creek |
| River Basin: | Kansas River |
| Sponsoring City: | Lenexa |
| Project Location | Lexington Storm Drainage Improvements – Park to Widmer |
| Initial Projection for Improvement Cost: | \$1,231,000 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$1,015,575 |
| Benefit Rating: | 280 |
| Cost/Benefit Rating: | 4396 |
| Priority List Ranking: | 9 |

**Stormwater Management Program
Project Priority List for 2003**

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|---|--|
| Project Number: | BC-07-043 |
| Watershed: | Brush Creek |
| River Basin: | Blue River |
| Sponsoring City: | Mission Hills |
| Project Location | Rainbow Avenue, Willow Lane, Overhill Road between 65th & 67th Streets |
| Initial Projection for Improvement Cost: | \$793,155 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$669,866 |
| Benefit Rating: | 130 |
| Cost/Benefit Rating: | 6416 |
| Priority List Ranking: | 10 |

**Stormwater Management Program
Project Priority List for 2003**

| | |
|---|--|
| Project Number: | IC-05-014 DESIGN ONLY |
| Watershed: | Indian Creek |
| River Basin: | Blue River |
| Sponsoring City: | Lenexa |
| Project Location | 103 rd St, Pflumm to Flat Rock Park |
| Initial Projection for Improvement Cost: | \$350,000 |
| Proposed Amount to Obligate for Stormwater Management Program Share: | \$337,500 |
| Benefit Rating: | 155 |
| Cost/Benefit Rating: | 7988 |
| Priority List Ranking: | 11 |

Section 2
Proposed 2003
Stormwater Management
Supplementary Priority Projects

2003

**Johnson County Stormwater Management Program
Recommended Supplemental Project Priority List**

| Project Description | Project Cost | Cummulative Project Cost |
|--|---------------------|-------------------------------------|
| Year 1 NPDES Phase II Services | \$ 875,000 | \$ 875,000 |
| Floodwarning System Design and Implementation | \$ 150,000 | \$ 1,025,000 |
| Annual Stream and Rain Gauge System Maintenance | \$ 100,000 | \$ 1,125,000 |
| Floodplain Mapping Update and Maintenance | \$ 100,000 | \$ 1,225,000 |
| Term and Supply Engineering Contract | \$ 200,000 | \$ 1,425,000 |
| Stormwater Utility Feasibility Study | \$ 150,000 | \$ 1,575,000 |
| Preliminary Engineering Studies | \$ 500,000 | \$ 2,075,000 |
| Regional Support and Research and Development Projects | \$ 100,000 | \$ 2,175,000 |

Stormwater Management Program Supplementary Project Priority List for 2003

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|---------------------------------|---|
| Project Name: | Year 1 NPDES Phase II Services |
| Intent: | To provide the cities and Johnson County with the agreed services for Year 1 compliance with EPA's Phase II National Pollutant Discharge Elimination System (NPDES) Stormwater mandate. |
| Budget: | \$875,000 |
| Accounting Project Code: | - |
| Description: | <p>The following activities will be completed for compliance with the six minimum control measures identified in EPA's NPDES Phase II mandate (and as agreed to in Interlocal Agreements – ILA's – to be signed with each city and unincorporated Johnson County):</p> <ul style="list-style-type: none"> A. Public Education & Outreach - \$250,000 B. Public Participation & Involvement - \$75,000 C. Illicit Discharge & Detection (Specifically the Household Hazardous Waste Disposal Program) - \$100,000 D. General Engineering/Administrative Support for other minimum control measures -- \$75,000 <p>Specific stormwater management activities that will be included in this supplemental project include the following:</p> <ul style="list-style-type: none"> A. EPA Riparian Asset Inventory Grant -- \$75,000 matching funds (with an additional \$200,000 grant funds from the EPA). B. USGS County-wide Base-Line Water Quality Initiative Grant for Johnson County -- \$300,000 matching funds (with an additional \$170,000 grant funds from the USGS). |

Stormwater Management Program Supplementary Project Priority List for 2003

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|---------------------------------|---|
| Project Name: | Floodwarning System Development |
| Intent: | To develop strategy and begin implementation of a floodwarning system |
| Budget: | \$150,000 |
| Accounting Project Code: | - |
| Description: | The floodwarning system will be an enhancement to the existing stream and rain gauge network already funded by the SMP. |

Stormwater Management Program Supplementary Project Priority List for 2003

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|---------------------------------|--|
| Project Name: | Stream & Rain Gauge Network Maintenance |
| Intent: | To provide data transmission and maintenance of the existing stream and rain gauge network. |
| Budget: | \$100,000 |
| Accounting Project Code: | - |
| Description: | These gauges are part of an existing data collection network and soon to be floodwarning system. |

Stormwater Management Program Supplementary Project Priority List for 2003

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|---------------------------------|---|
| Project Name: | Floodplain Mapping Maintenance and Update |
| Intent: | To maintain and update the floodplain mapping information being developed as part of the country-wide watershed studies. |
| Budget: | \$100,000 |
| Accounting Project Code: | - |
| Description: | Provide for the maintenance of the technical data and mapping associated with the floodplains developed as part of the country-wide watershed studies. These floodplains will include the Federal Emergency Management Agency (FEMA)'s regulatory floodplains, as well as the cities'/Johnson County's regulatory floodplains (including future floodplain limits). Updates submitted by developers/engineers/cities will be incorporated on a regular basis and the technical and mapping data kept current. |

Stormwater Management Program Supplementary Project Priority List for 2003

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|---------------------------------|---|
| Project Name: | Engineering Term & Supply Contract |
| Intent: | To provide the Program with consultant assistance on a variety of engineering and GIS needs. |
| Budget: | \$200,000 |
| Accounting Project Code: | - |
| Description: | The contract provides necessary resources, knowledge and expertise in the field of stormwater that the current limited staff do not have. |

Stormwater Management Program Supplementary Project Priority List for 2003

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|---------------------------------|---|
| Project Name: | Stormwater Utility Feasibility Study |
| Intent: | To evaluate the feasibility of a stormwater utility for a portion of the Johnson County cities. |
| Budget: | \$150,000 |
| Accounting Project Code: | - |
| Description: | The recently completed business plan recommended evaluating the need and feasibility of a stormwater utility for a portion of Johnson County. This study will be the first phase of potential implementation of a stormwater utility. |

Stormwater Management Program
Supplementary Project Priority List for 2003

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|---------------------------------|--|
| Project Name: | Preliminary Engineering Studies |
| Intent: | To fund Preliminary Engineering Studies identified by the cities. |
| Budget: | \$500,000 |
| Accounting Project Code: | - |
| Description: | Preliminary Engineering Studies are required by the Program prior to a project being considered for funding of design and construction. The Program funds 75% of eligible costs for the studies. |

Stormwater Management Program Supplementary Project Priority List for 2003

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|---------------------------------|---|
| Project Name: | Regional Support and Research & Development Projects |
| Intent: | Projects yet to be identified for regional efforts and research & development activities. |
| Budget: | \$100,000 |
| Accounting Project Code: | - |
| Description: | - |