

# CERTIFIED COPY OF ORDER

STATE OF MISSOURI }  
County of Boone } ea.

February Session of the February Adjourned

Term. 20 03

In the County Commission of said county, on the

25<sup>th</sup> day of February 20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby authorize the Presiding Commissioner to sign the Federal Annual Certification Report on the Boone County Sheriff's Department Forfeiture Funds.

Done this 25<sup>th</sup> day of February, 2003.

ATTEST:

Wendy S. Noren  
Wendy S. Noren  
Clerk of the County Commission

Keith Schnarre  
Keith Schnarre  
Presiding Commissioner

Karen M. Miller  
Karen M. Miller  
District I Commissioner

Skip Elkin  
Skip Elkin  
District II Commissioner



# Federal Annual Certification Report

This Annual Certification Report must be submitted within 60 days after the close of your fiscal year to both agencies:

U.S. Department of Justice/ACA Program  
10th and Constitution Avenue, NW  
Criminal Division/AFMLS  
Bond Building, Tenth Floor  
Washington, DC 20530  
Fax: (202) 616-1344

U.S. Department of the Treasury  
Executive Office for Asset Forfeiture  
740 15th Street, NW, Suite 700  
Washington, D.C. 20220  
E-mail address: [treas.aca@teofa.treas.gov](mailto:treas.aca@teofa.treas.gov)  
Fax: (202) 622-9610



Law Enforcement Agency: Boone County Sheriff's Department

Police Department  Sheriff's Office/Department  Task Force (attach list of members)  Prosecutor's Office  Other \_\_\_\_\_

Contact Person: Captain Beverly Braun E-mail Address: bbraun@boonecountymo.org

Mailing Address: (Street) 2121 County Drive (City) Columbia (State) MO (Zip Code) 65202

Telephone Number: (573) 875-1111 Fax Number: (573) 874-8953

Agency Fiscal Year Ends on: (Month/Day/Year) 12/31/2002 NCIC/ORI/Tracking No.: MO 01000000

### Summary of Equitable Sharing Activity (Fiscal Year Ending 2002)

	Justice Funds	Treasury Funds
1. Beginning Equitable Sharing Fund Balance .....	\$ <u>23,001.29</u>	\$ <u>148,806.55</u>
2. Federal Sharing Funds Received .....	\$ <u>7,867.61</u>	\$ <u>110,261.58</u>
3. Transfers From Other Law Enforcement Agencies (attach list) .....	\$ _____	\$ _____
4. Other Income .....	\$ _____	\$ _____
5. Interest Income Accrued ( <input type="checkbox"/> check if non-interest-bearing account) .....	\$ <u>595.82</u>	\$ <u>3,987.43</u>
6. Total Equitable Sharing Funds (total of lines 1 - 5) .....	\$ <u>31,464.72</u>	\$ <u>263,055.56</u>
7. Federal Sharing Funds Spent (total of lines a - n) .....	\$ ( _____ )	\$ <u>(49,943.55)</u>
8. Equitable Sharing Fund Balance (subtract line 7 from line 6) .....	\$ <u>31,464.72</u>	\$ <u>213,112.01</u>
9. Appraised Value of Other Assets Received .....	\$ _____	\$ _____

### Summary of Shared Monies Spent

Total spent on salaries for new, temporary, not to exceed 1-year employees .....	\$ _____	\$ <u>0.</u>
b. Total spent on overtime .....	\$ _____	\$ <u>8,511.89</u>
c. Total spent on informant and "buy money" .....	\$ _____	\$ <u>0.</u>
d. Total spent on travel and training .....	\$ _____	\$ <u>1,643.70</u>
e. Total spent on communications and computers .....	\$ _____	\$ <u>1,957.23</u>
f. Total spent on firearms and weapons .....	\$ _____	\$ <u>1,765.00</u>
g. Total spent on body armor and protective gear .....	\$ _____	\$ <u>0.</u>
h. Total spent on electronic surveillance equipment .....	\$ _____	\$ <u>14,820.94</u>
i. Total spent on building and improvements .....	\$ _____	\$ <u>0.</u>
j. Total spent on drug education and awareness programs .....	\$ _____	\$ <u>0.</u>
k. Total spent on other law enforcement expenses (attach list) .....	\$ _____	\$ <u>11,828.79</u>
l. Total transfers to other law enforcement agencies (attach list of recipients) .....	\$ _____	\$ <u>1,043.00</u>
m. Total permissible use: transfers (up to 15 percent) (attach list of recipients) .....	\$ _____	\$ _____
Amount of line (m) transferred to and used for drug abuse treatment and prevention programs .....	\$ _____	\$ _____
n. Total spent on matching grants (attach list) .....	\$ _____	\$ <u>8,373.00</u>
o. Total annual law enforcement budget for your jurisdiction for current fiscal year .....	\$ <u>8,852,930.00</u>	
p. Total annual budget for non-law enforcement agencies for current fiscal year .....	\$ <u>30,431,387.00</u>	
q. Total annual law enforcement budget for your jurisdiction for prior fiscal year .....	\$ <u>6,708,286.00</u>	
r. Total annual budget for non-law enforcement agencies for prior fiscal year .....	\$ <u>28,622,969.00</u>	

Under the penalty of perjury, the undersigned hereby certify that the information in this report is an accurate accounting of funds received and spent by the law enforcement agency under the federal equitable sharing program during this reporting period.

Name (Print or Type) T.P. Boehm Date 2/21/03

Law Enforcement Agency Head or Authorized Representative

Name (Print or Type) Keith Schnarre Date \_\_\_\_\_

Governing Body Head or Authorized Representative

Signature: T.P. Boehm

Signature: Keith Schnarre

Title: Boone County Sheriff

Title: Boone County Presiding Commissioner

**BOONE COUNTY SHERIFF'S DEPARTMENT  
FORFEITURE FUNDS 2002**

	Justice	Treasury
<b>Fund Balance 1-1-2002</b>	\$23,001.29	\$148,806.55
<b>REVENUES:</b>		
USDOJ - FBI - #3350990050/166E-KC-77056-FF16	\$253.22	
IRS - G. Banks (Investments)		\$110,261.58
FBI - 3350-2001-F-0060 T. Stratton/3350-2001-F-0059	\$1,831.88	
FBI - 3350-2001-F-0060 T. Stratton/3350-2001-F-0053	\$472.31	
FBI - 3350-0990025 Paul T.Hemmel and Paul L. Hem	\$5,310.20	
Interest, 2002	\$595.82	\$3,987.43
<b>EXPENDITURES:</b>		
a. Salary for new officer		\$0.00
b. Drug enforcement officer - overtime for 2002		\$8,511.89
c. Buy money		\$0.00
d. Training		
Missouri Narcotic Officers Association		\$110.00
Missouri Sheriff's Association Cash Crop		\$130.00
Univ. of Mo. -Law Enf. Training Institute - firearms trn.		\$400.00
Meals/Lodging for Marihuana eradication conference- 4 employees		\$424.47
Meals/Lodging for MO. Narcotic Assoc. conference- 2 employees		\$447.65
Meals/Lodging for Meth Lab training- 2 employees		\$131.58
e. Communications		
Pagers usage 12 months - 2 employees		\$156.40
Cellular telephone use - 12 months		\$1,593.33
Software license for CAD system-Drug Unit		\$207.50
f. Firearms and Weapons		
H & K Submachine Gun		\$1,765.00
g. Body Armor and protective gear		\$0.00
h. Electronic Surveillance equipment		
Camera system for entry teams - Search System Cam		\$14,820.94
i. Buildings & improvements		\$0.00
j. Drug education and awareness programs		\$0.00
k. Other law enforcement expenses		
Vet. Care for Canine unit - 2 dogs		\$441.20
Ammunition (includes training ammunition)		\$2,933.66
Rental of Safety Deposit Box		\$45.00
Batteries/tapes		\$1,264.74
Camo clothing for BCERT team		\$2,783.11
TV/VCR Recorder		\$177.25
Other miscelleaneous supplies for BCERT team		\$823.64
Meth kit and drug book		\$438.80
Vehicle usage expenses - gasoline, licensing, tires, etc.		\$2,921.39
l. Transfer to other law enforcement agencies		
Jefferson City Police Department - Mustang Unit (Mid-Missouri Unified Strike Team and Narcotics Group)		\$1,043.00
m. Permissible Use transfers		\$0.00
n. Matching Grants		
Local Law Enforcement Block Grant Match		\$3,930.00
Local Law Enforcement Block Grant Match		\$4,443.00
	\$31,464.72	\$263,055.56
		\$49,943.55

# CERTIFIED COPY OF ORDER

STATE OF MISSOURI }  
County of Boone } ea.

February Session of the February Adjourned


Term. 20 03

In the County Commission of said county, on the 25<sup>th</sup> day of February 20 03

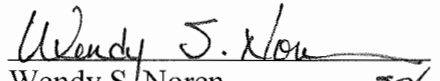
the following, among other proceedings, were had, viz:

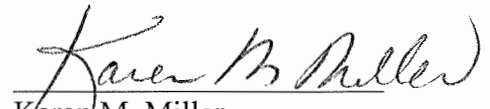
Now on this day, the County Commission of the County of Boone does hereby award bid 09-11FEB03 for Prisoner Transport Van Conversion to Bob Barker Company. It is further ordered that the Presiding Commissioner be hereby authorized to sign said contract.

Done this 25<sup>th</sup> day of February, 2003.

  
Keith Schnarre  
Presiding Commissioner

ATTEST:

  
Wendy S. Noren  
Clerk of the County Commission

  
Karen M. Miller  
District I Commissioner

  
Skip Elkin  
District II Commissioner

# Boone County Purchasing

Marlene Ridgway  
Buyer



601 E. Walnut, Rm 209  
Columbia, MO 65201  
(573) 886-4392  
Fax (573) 886-4390

76-2003

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## MEMORANDUM

TO: Boone County Commission  
FROM: Marlene Ridgway *MR*  
RE: 09-11FEB03 – Prisoner Transport Van Conversion  
DATE: February 14, 2003

The Sheriff's Department and Purchasing department have reviewed the above referenced bid and recommend awarding to Bob Barker Company for having the best bid meeting our specifications. Total contract amount including the interior video package and installation is \$8,295.00. We only received one bid but it was within our budgeted amount of \$9,495.00.

The Bid Tabulation is attached.

**Bid Tabulation****09-11FEB03 -Prisoner Transport Van Conversion Package**

		Bob Barker Company
4.7.	Pricing	Unit Price
4.7.1.	Prisoner Transport Van Conversion	\$ 6,495.00
4.7.2.	Manufacturer:	Bob Baker Co.
4.7.3.	Model:	Vancell
4.7.4.	Interior Viedo Package (Section 2.2.)	\$ 800.00
4.7.5.	Manufacturer:	Bob Baker Co
4.7.6.	Model:	Option 6
4.7.7.	Installation:	\$ 1,000.00
4.7.10..	Grand Total (4.7.1. + 4.7.4. + 4.7.7.)	\$ 8,295.00
4.8.	<b>Warranty Features:</b>	Attached Warranty
4.10.	Cooperative purchasing?	Yes
4.11.	Delivery ARO:	4-10 Wks

No Bid



RECEIVED  
FEB 14 2003

**PURCHASE AGREEMENT FOR  
PRISONER TRANSPORT VAN CONVERSION**

**THIS AGREEMENT** dated the 25 day of February 2003 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Bob Barker Company, Inc., herein "Contractor."

**IN CONSIDERATION** of the parties performance of the respective obligations contained herein, the parties agree as follows:

1. **Contract Documents** - This agreement shall consist of this Purchase Agreement for the Furnishing and Delivery of a Prisoner Transport Van Conversion with Interior Video Package, County of Boone Request for Bid for Prisoner Transport Van Conversion, bid number 09-11FEB03 including Instructions and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the unexecuted Response Form, as well as the Contractor's bid response dated February 5, 2003 executed by Joyce Sorensen on behalf of the Contractor. All such documents shall constitute the contract documents, which are attached hereto and incorporated herein by reference. Service or product data, specification and literature submitted with bid response may be permanently maintained in the County Purchasing Office bid file for this bid if not attached. In the event of conflict between any of the foregoing documents, the terms, conditions, provisions and requirements contained in the bid specifications including Instructions and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the unexecuted Response Form shall prevail and control over the Contractor's bid response.
2. **Purchase** - The County agrees to purchase from the Contractor and the Contractor agrees to furnish and deliver to the County, one (1) Prisoner Transport Van Conversion, model #VANCELL for \$6,495.00 and one (1) Interior Video Package for \$800, and installation for \$1,000.00 for a total purchase price of \$8,295.00. All new Prisoner Transport Van Conversion and Interior Video Package, the Furnishing, Installation and Delivery of such, shall be provided in conformity with the bid specifications and as set forth in the Contractor's bid response.
3. **Delivery** - Contractor agrees to furnish and deliver the Prisoner Transport Van Conversion and Interior Video Package four to ten weeks after receipt of Notice to Proceed.
4. **Billing and Payment** - All billing shall be invoiced to the Boone County Sheriff Department, Attn: Major Warren Brewer, 2121 County Drive, Columbia, MO 65202. Billings may only include the prices listed in the Contractor's bid response. No additional fees for delivery or extra services or taxes shall be included as additional charges in excess of the charges in the Contractor's bid response to the specifications. The County agrees to pay all invoices within thirty days of receipt; Contractor agrees to honor any cash or prompt payment discounts offered in its bid response if county makes payment as provided therein. In the event of a billing dispute, the County reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved in favor of the Contractor, the County agrees to pay interest at a rate of 9% per annum on disputed amounts withheld commencing from the last date that payment was due.



5. **Binding Effect** - This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.

6. **Entire Agreement** - This agreement constitutes the entire agreement between the parties and supersedes any prior negotiations, written or verbal, and any other bid or bid specification or contractual agreement. This agreement may only be amended by a signed writing executed with the same formality as this agreement.

7. **Termination** - This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:

- a. County may terminate this agreement due to material breach of any term or condition of this agreement, or
- b. County may terminate this agreement if in the opinion of the Boone County Commission if delivery of products are delayed or products delivered are not in conformity with bidding specifications or variances authorized by County, or
- c. If appropriations are not made available and budgeted for any calendar year.

**IN WITNESS WHEREOF** the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

**BOB BARKER COMPANY, INC.**

**BOONE COUNTY, MISSOURI**

By: Joel Sorensen

By: Boone County Commission

Title: Bid Administrator

Keith Schnarre  
Keith Schnarre, Presiding Commissioner

APPROVED AS TO FORM:

ATTEST:

[Signature]  
County Counselor

Wendy S. Nofen  
Wendy S. Nofen, County Clerk

**AUDITOR CERTIFICATION**

In accordance with RSMo 50.660, I hereby certify that a sufficient unencumbered appropriation balance exists and is available to satisfy the obligation(s) incurred by this contract. (Note: Certification of this contract is not required if the terms of the contract do not result in a measurable county obligation at this time.)

June Pitchford by KF  
Signature

2/19/2003  
Date

2902-91300 - \$8,295.00

Appropriation Account

**CERTIFIED COPY OF ORDER**

STATE OF MISSOURI }  
 County of Boone } ea.

February Session of the February Adjourned

Term. 20 03

In the County Commission of said county, on the

25<sup>th</sup> day of February 20 03

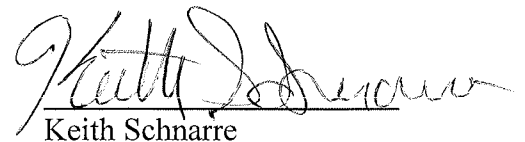
the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby approve the following budget revision:

DEPARTMENT ACCOUNT AND TITLE	AMOUNT DECREASE	AMOUNT INCREASE
2040-60200: Public Works Maintenance Operations – Equipment Repairs	\$40,000.00	
2040-26200: Public Works Maintenance Operations – Rock	\$23,395.00	
2040-71100: Public Works Maintenance Operations – Outside Services		\$3,800.00
2040-10110: Public Works Maintenance Operations – Overtime		\$6,750.00
2049-71300: Public Works Administration – Rebates		\$19,800.00
2049-71400: Public Works Administration – Replacement		\$33,045.00

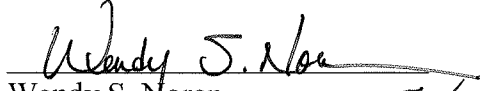
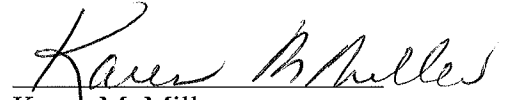
Said budget revision is to cover 2002 expenditures for the Public Works Department.

Done this 25<sup>th</sup> day of February, 2003.



Keith Schnarre  
Presiding Commissioner

ATTEST:

  
Wendy S. Noren  
Clerk of the County Commission

Karen M. Miller  
District I Commissioner



Skip Elkin  
District II Commissioner

REQUEST FOR BUDGET REVISION

BOONE COUNTY, MISSOURI

RECEIVED

FEB 19 2003

12-31-02  
EFFECTIVE DATE

FOR AUDITORS USE

77-2003

Department				Account				Department Name	Account Name	(Use whole \$ amounts)	
										Transfer From	Transfer To
										Decrease	Increase
2	0	4	0	7	1	1	0	0	Outside Services		3,800
				1	0	1	1	0	Overtime		6,750
2	0	4	9	7	1	3	0	0	Rebates		19,800
				7	1	4	0	0	Replacement		33,045
2	0	4	0	6	0	2	0	0	Equipment Repairs	40,000	
				2	6	2	0	0	Rock	23,395	


Describe the circumstances requiring this Budget Revision. Please address any budgetary impact for the remainder of this year and subsequent years. (Use an attachment if necessary): Account 2040: 71100 - Quantity of asphalt exceeded estimate, 10110 - Snow event at end of year added to overtime expense, 71400 and 71400 Rebates and Replacement Revenue tied to assessed valuation which increased beyond budgeted amount.

Do you anticipate that this Budget Revision will provide sufficient funds to complete the year?  YES  NO  
If not, please explain (use an attachment if necessary):

  
Requesting Official

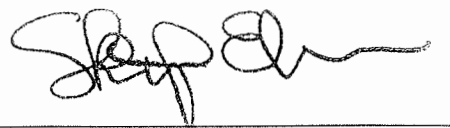
TO BE COMPLETED BY AUDITOR'S OFFICE

- A schedule of previously processed Budget Revisions/Amendments is attached.
- Unencumbered funds are available for this budget revision.
- Comments:

  
Auditor's Office

  
PRESIDING COMMISSIONER

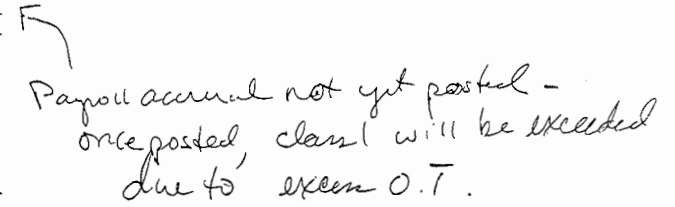
  
DISTRICT I COMMISSIONER

  
DISTRICT II COMMISSIONER

FY 2002  
Budget Amendments/Revisions  
Public Works - Maintenance (2040)

Index #	Date Recd	Account	Account Name	\$Increase	\$Decrease	Reason/Justification	Comments
1	2/27/02	92400 2045-91400	Replcmnt Auto/Trucks Auto/Trucks	2,808	2,808	Cover Design & Construction purchase	Account 92400 Replcmnt Auto/Trucks - 2002 Budget \$442,600 YTD Actual \$266,163.99 Class 9 Fixed Asset Additions - 2002 Budget \$1,043,035 YTD Actual \$631,141.31 Dept. 2045 91400 Auto/Trucks - 2002 Budget \$40,000 YTD Actual \$0 Dept. 2045 Class 9 Fixed Asset Additions - 2002 Budget \$65,886 YTD Actual \$9,548
2	6/10/02	92301 92300	Replcmnt Computer Hardware Replcmnt Mach/Equip	2,200	2,200	Replace laptop (tag 12089) not covered by maintenance	Account 92300 Replcmnt Computer Hardware - 2002 Budget \$8,525 YTD Actual \$6,367 Account 92301 Replcmnt Mach/Equip - 2002 Budget \$439,200 YTD Actual \$385,035.98 Class 9 Fixed Asset Additions - 2002 Budget \$1,040,227 YTD Actual \$833,799.42
3	10/17/02	91200 92300	Buildings & Improvements Replcmnt Mach & Equip	37,000	37,000	South Facility Addition - Maintenance Building	Account 91200 Buildings & Grounds - 2002 Budget \$75,000 YTD Actual \$0 Account 92300 Replcmnt Mach/Equip - 2002 Budget \$437,000 YTD Actual \$384,964 Class 9 Fixed Asset Additions - 2002 Budget \$1,040,227 YTD Actual \$796,763.03
4	11/26/02	71100 60200 26200 91300 92300 92400	Outside Services Equip Repairs/Maintenance Rock Machinery & Equipment Replcmnt Machinery & Equip Replcmnt Auto/Trucks	56,000 104,000	36,000 14,000 15,000 95,000	Cover culvert liner, recondition oil distributor and additional repairs	Account 71100 Outside Services - 2002 Budget \$553,580 YTD Actual \$524,820.26 Class 7 Contractual Services - 2002 Budget \$866,123 YTD Actual \$862,375.58 Account 60200 Equip Repairs/Maintenance - 2002 Budget \$250,000 YTD Actual \$252,961.89 Class 6 Equip & Bldg Maintenance - 2002 Budget \$261,350 YTD Actual \$254,678.43 Account 26200 Rock - 2002 Budget \$808,568 YTD Actual \$323,382.37 Class 2 Materials & Supplies - 2002 Budget \$2,020,677 YTD Actual \$1,512,712.60 Account 91300 Machinery & Equipment - 2002 Budget \$40,400 YTD Actual \$25,920.76 Account 92300 Replcmnt Machinery & Equipment - 2002 Budget \$400,000 YTD Actual \$384,964.32 Account 92400 Replcmnt Auto/Trucks - 2002 Budget \$439,792 YTD Actual \$344,349 Class 9 Fixed Asset Additions - 2002 Budget \$1,040,227 YTD Actual \$901,962.03
5	12/31/02	92400 71100 71700 48200 26200 86800 84100	Replcmnt Auto/Trucks Outside Services Equipment Rentals Electricity Rock Emergency Interest Expense	45,000 80,000 28,000 6,000	61,700 80,000 17,300	Cover asphalt paving, snow removal, equipment rental and utility expenses	Account 92400 Replcmnt Auto/Trucks - 2002 Budget \$344,792 YTD Actual \$394,428.99 Class 9 Fixed Asset Additions - 2002 Budget \$916,227 YTD Actual \$951,276.73 Account 71100 Outside Services - 2002 Budget \$609,580 YTD Actual \$560,969.16 Account 71700 Equipment Rentals - 2002 Budget \$112,000 YTD Actual \$164,440.29 Class 7 Contractual Services - 2002 Budget \$922,123 YTD Actual \$917,633.56 Account 48200 Electricity - 2002 Budget \$55,000 YTD Actual \$61,079.63 Class 4 Utilities - 2002 Budget \$76,950 YTD Actual \$76,573.53 Account 26200 Rock - 2002 Budget \$772,568 YTD Actual \$335,725.93 Class 2 Materials & Supplies - 2002 Budget \$1,984,677 YTD Actual \$1,858,467.05 Account 86800 Emergency - 2002 Budget \$100,000 YTD Actual \$0 Account 84100 Interest Expense - 2002 Budget \$50,400 YTD Actual \$33,044 Class 8 Other - 2002 Budget \$450,400 YTD Actual \$247,455.65
6	12/31/02	71100 10110 2049-71300 2049-71400 60200 26200	Outside Services Overtime Rebates to Special Districts Replacement Revenue Equip Repairs/Maintenance Rock	3,800 6,750 19,800 33,045	40,000 23,395	Account 71100 - Quantity of asphalt exceeded estimate. Account 10110 - Snow event at end of year added to overtime expense. 2049 - Accounts 71300 and 71400 Accessed valuation increased beyond budgeted amount.	Account 71100 Outside Services - 2002 Budget \$689,580 YTD Actual \$599,543.16 Class 7 Contractual Services - 2002 Budget \$1,030,123 YTD Actual \$994,068.61 Account 10110 Overtime - 2002 Budget \$85,000 YTD Actual (incl accrual not yet posted) \$122,583.52 Class 1 Personal Services - 2002 Budget \$2,296,969 YTD Actual (incl accrual not yet posted) \$2,303,705.67 2049 Account 71300 Rebates to Sp Districts - 2002 Budget \$217,550 YTD Actual (incl Dec 2002 payment not yet paid) \$237,344.97 2049 Account 71400 Replacement Revenue - 2002 Budget \$1,154,900 YTD Actual \$1,187,942 2049 Class 7 Contractual Services - 2002 Budget \$2,294,690 YTD Actual (incl Dec 2002 payment not yet paid) \$2,347,527.37 Account 60200 Equip Repairs/Maintenance - 2002 Budget \$354,000 YTD Actual \$310,900.18 Class 6 Equip & Bldg Maintenance - 2002 Budget \$365,350 YTD Actual \$312,979.06 Account 26200 Rock - 2002 Budget \$710,868 YTD Actual \$335,725.93 Class 2 Materials & Supplies - 2002 Budget \$1,922,977 YTD Actual \$1,871,790.75

LEDGER YEAR	FUND	DEPT	ACCOUNT CLASS	ACCOUNT	ACCOUNT NAME	BUD	TTLEXP	BUD-ACT
2002	204	2040	10000	10100	SALARIES & WAGES	1,738,333.00	1,627,701.03	110,631.97
	204	2040		10110	OVERTIME	85,000.00	110,184.25	25,184.25-
	204	2040		10120	HOLIDAY WORKED	.00	61.24	61.24-
	204	2040		10200	FICA	136,340.00	128,198.69	8,141.31
	204	2040		10300	HEALTH INSURANCE	142,320.00	142,320.00	.00
	204	2040		10325	DISABILITY INSURANCE	7,962.00	6,980.01	981.99
	204	2040		10350	LIFE INSURANCE	1,584.00	1,520.10	63.90
	204	2040		10375	DENTAL INSURANCE	12,480.00	12,480.00	.00
	204	2040		10400	WORKERS COMP	135,920.00	135,154.49	765.51
	204	2040		10500	401(A) MATCH PLAN	28,080.00	23,812.50	4,267.50
	204	2040		10600	UNEMPLOYMENT BENEFITS	.00	4,750.00	4,750.00-
	204	2040		10850	VEHICLE ALLOWANCE	4,200.00	4,375.00	175.00-
	204	2040		10900	MECHANIC TOOL ALLOWANCE	4,500.00	4,591.31	91.31-
	204	2040		10910	PERS. SAFETY EQUIP ALLOW	250.00	298.45	48.45-
				TOTAL		2,296,969.00	2,202,427.07	94,541.93
2002	204	2040	20000	22500	SUBSCRIPTIONS/PUBLICATION	915.00	362.36	552.64
	204	2040		23000	OFFICE SUPPLIES	3,145.00	4,035.94	890.94-
	204	2040		23001	PRINTING	1,620.00	367.35	1,252.65
	204	2040		23050	OTHER SUPPLIES	27,605.00	25,507.66	2,097.34
	204	2040		23502	NON-PRES. MED. SUPPLIES	.00	5.00	5.00-
	204	2040		23850	MINOR EQUIPMENT & TOOLS	9,950.00	12,969.67	3,019.67-
	204	2040		26000	PAVEMENT REPAIRS MATERIAL	213,854.00	220,858.30	7,004.30-
	204	2040		26200	ROCK	710,868.00	335,725.93	375,142.07
	204	2040		26201	ROCK-VENDOR HAULED	329,325.00	686,047.92	356,722.92-
	204	2040		26300	MATERIAL & CHEMICAL SUPP.	134,875.00	61,755.10	73,119.90
	204	2040		26400	ROAD OIL	236,364.00	200,518.08	35,845.92
	204	2040		26420	CULVERTS	217,056.00	287,398.80	70,342.80-
	204	2040		26600	STRT/TRAPPIC/CONST SIGNS	37,400.00	36,238.64	1,161.36
				TOTAL		1,922,977.00	1,871,790.75	51,186.25
2002	204	2040	30000	37000	DUES	1,005.00	1,998.80	993.80-
	204	2040		37210	TRAINING/SCHOOLS	21,200.00	13,780.00	7,420.00
	204	2040		37220	TRAVEL (AIRFARE, MILEAGE, ETC)	1,150.00	629.95	520.05
	204	2040		37230	MEALS & LODGING-TRAINING	7,400.00	7,609.03	209.03-
	204	2040		37240	REGISTRATION/TUITION	3,700.00	7,448.00	3,748.00-
				TOTAL		34,455.00	31,465.78	2,989.22
2002	204	2040	40000	48050	CELLULAR TELEPHONES	.00	.00	.00
	204	2040		48100	NATURAL GAS	8,600.00	7,364.93	1,235.07
	204	2040		48200	ELECTRICITY	61,000.00	63,754.47	2,754.47-
	204	2040		48300	WATER	11,000.00	7,203.57	3,796.43
	204	2040		48400	SOLID WASTE	1,750.00	2,670.27	920.27-
	204	2040		48600	SEWER USE	600.00	1,319.50	719.50-
				TOTAL		82,950.00	82,312.74	637.26
2002	204	2040	50000	59000	MOTORFUEL/GASOLINE	154,690.00	139,238.90	15,451.10
	204	2040		59001	MOTOR FUEL/PROPANE	2,552.00	2,338.40	213.60


 Payroll accrued not yet posted -  
 once posted, class 1 will be exceeded  
 due to excess O.T.

LEDGER YEAR	FUND	DEPT	ACCOUNT CLASS	ACCOUNT NAME	BUD	TILEXP	BUD-ACT				
2002	204	2040	50000	59025	MOTOR VEHICLE TITLE EXP	.00	116.00	116.00-			
				59050	ENGINE FLUIDS	12,000.00	9,770.31	2,229.69			
				59105	TIRES	56,015.00	53,942.59	2,072.41			
				59200	LOCAL MILEAGE	100.00	.00	100.00			
				TOTAL	225,357.00	205,406.20	19,950.80				
2002	204	2040	60000	60050	EQUIP SERVICE CONTRACT	8,525.00	1,798.34	6,726.66			
				60100	BLDG REPAIRS/MAINTENANCE	2,825.00	280.54	2,544.46			
				60200	EQUIP REPAIRS/MAINTENANCE	354,000.00	310,900.18	43,099.82			
				TOTAL	365,350.00	312,979.06	52,370.94				
2002	204	2040	70000	70050	SOFTWARE SERVICE CONTRACT	2,895.00	.00	2,895.00			
				71000	INSURANCE AND BONDS	2,250.00	600.00	1,650.00			
				71001	AUTO PHYSICAL DAMAGE INS	9,100.00	9,909.61	809.61-			
				71002	AUTO LIABILITY INS	18,800.00	17,652.60	1,147.40			
				71003	INLAND MARINE INS	992.00	1,370.98	378.98-			
				71004	PROPERTY INSURANCE	10,257.00	13,502.34	3,245.34-			
				71005	BOILER & MACHINERY INS	1,562.00	1,744.35	182.35-			
				71006	ERRORS & OMISSIONS INS	44,000.00	41,314.58	2,685.42			
				71008	GENERAL LIABILITY INS	45,243.00	42,481.73	2,761.27			
				71009	D. P. EQUIP-INSURANCE	1,456.00	1,915.73	459.73-			
				71010	CRIME INSURANCE	1,144.00	1,074.18	69.82			
				71016	AUTO CLAIMS DEDUCTIBLE	5,000.00	1,633.92	3,366.08			
				71018	OTHER CLAIMS DEDUCTIBLE	.00	147.47	147.47-			
				71100	OUTSIDE SERVICES	689,580.00	599,543.16	90,036.84			
				71102	ENGINEERING SERVICES	4,000.00	.00	4,000.00			
				71500	BUILDING USE/RENT CHARGE	53,844.00	53,844.00	.00			
				71600	EQUIP LEASES & METER CHRG	.00	5,032.62	5,032.62-			
				71700	EQUIPMENT RENTALS	140,000.00	202,301.34	62,301.34-			
								TOTAL	1,030,123.00	994,068.61	36,054.39
				2002	204	2040	80000	84050	DEBT RETIREMENT-PRINCIPLE	300,000.00	300,000.00
84100	INTEREST EXPENSE	33,100.00	33,044.00					56.00			
84300	ADVERTISING	.00	183.20					183.20-			
86800	EMERGENCY	20,000.00	.00					20,000.00			
86910	PY ENCUMBRANCES NOT USED	.00	85,771.55-					85,771.55			
				TOTAL	353,100.00	247,455.65	105,644.35				
2002	204	2040	90000	91100	FURNITURE AND FIXTURES	450.00	.00	450.00			
				91200	BUILDINGS & IMPROVEMENTS	112,000.00	103,895.00	8,105.00			
				91300	MACHINERY & EQUIPMENT	26,400.00	23,073.47	3,326.53			
				91302	COMPUTER SOFTWARE	25,760.00	25,149.33	610.67			
				92100	REPLCMNT FURN & FIXTURES	11,100.00	10,210.56	889.44			
				92300	REPLCMNT MACH & EQUIP	385,000.00	384,964.32	35.68			
				92301	REPLC COMPUTER HDWR	10,725.00	9,555.06	1,169.94			
				92400	REPLCMNT AUTO/TRUCKS	389,792.00	394,428.99	4,636.99-			
								TOTAL	961,227.00	951,276.73	9,950.27

# CERTIFIED COPY OF ORDER

STATE OF MISSOURI }  
County of Boone } ea.

February Session of the February Adjourned

Term. 20 03

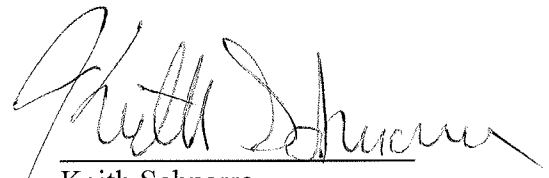
In the County Commission of said county, on the

25<sup>th</sup> day of February 20 03

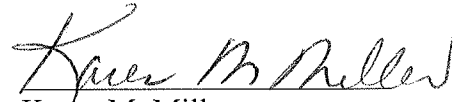
the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby approve the Proposal for Consultant Services with Mitzel and Scroggs Architects, Inc. for the JJC Expansion Project – Feasibility and Cost Study. It is further ordered that the Presiding Commissioner be hereby authorized to sign said proposal.

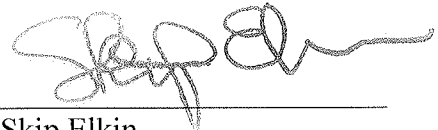
Done this 25<sup>th</sup> day of February, 2003.



Keith Schnarre  
Presiding Commissioner

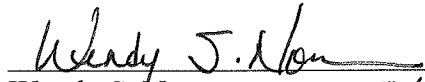


Karen M. Miller  
District I Commissioner



Skip Elkin  
District II Commissioner

ATTEST:



Wendy S. Noren  
Clerk of the County Commission



APPROVAL OF PROPOSAL FOR CONSULTANT SERVICES

Effective the 25 day of February, 2003, Boone County, Missouri, a political subdivision of the state of Missouri through its County Commission (herein "Owner") hereby approves and authorizes professional services by the Consultant referred to below for the services specified below.

Consultant Name: Mitzel + Scroggs Architects, Inc.

Project/Work Description: JJC Expansion Project - Feasibility and Cost Study

Proposal Description: (identify proposal by date, person issuing proposal and attach a copy of proposal) See attached description of services for Feasibility and Cost Study

Modifications to Proposal: (identify any modifications or attach correspondence modifying proposal, or show as not applicable) Fees and Expenses on an hourly and unit cost basis with overall fees and expenses not to exceed \$6,100.00.

This form agreement and any attachments to it shall be considered the approved proposal; signature by all parties below constitutes a contract for services in accordance with the above described proposal and any approved modifications to the proposal, both of which shall be in accordance with the terms and conditions of the General Consultant Services Agreement signed by the Consultant and Owner for the current calendar year on file with the Boone County Public Works Department, which is hereby incorporated by reference. Performance of Consultant's services and compensation for services shall in accordance with the approved proposal and any approved modifications to it and shall be subject to and consistent with the General Consultant Services Agreement for the current calendar year. In the event of any conflict in interpretation between the proposal approved herein and the general Consultant Services Agreement, the terms and conditions of the general agreement shall control unless the proposal approved herein specifically identifies a term or condition of the general Consultant Services Agreement that shall not be applicable.

CONSULTANT

By Grant S. Croger  
Title Vice-President

Dated: Feb. 28, 2003

APPROVED AS TO FORM:

[Signature]  
County Counselor

APPROVED:

David Mink  
Director, Boone County Public Works

BOONE COUNTY, MISSOURI

By [Signature]  
Presiding Commissioner

Dated: 25 February 2003

ATTEST:

Wendy J. N...  
County Clerk

CERTIFICATION:

I certify that this contract is within the purpose of the appropriation to which it is to be charged and there is an unencumbered balance of such appropriation sufficient to pay the costs arising from this contract.

Juni Pitchford by KF 2/19/03  
Auditor Date

4020-71211 \$6,100.00

**Feasibility and Cost Study**  
**JJC Expansion**

The purpose of the Feasibility and Cost Study for a proposed expansion of the Boone County Justice Center (JJC) is to evaluate alternatives to meet identified program space needs and detention standards within funds and budget available for the proposed project. The deliverables for this study shall consist of a written report or evaluation and schematic drawings.

**Written Report or Evaluation**

The written report shall discuss design options and construction cost estimates for design alternatives; a recommended design for the project, and cost estimates for the project which identify both construction and non-construction costs for budgeting purposes. Assumptions and source materials for cost estimates shall be identified. The report shall also contain a proposed scope of services for an architectural contract for the recommended design and proposed architectural fees and reimbursable expenses for implementation of the project.

**Schematic Drawings**

Prepare schematic drawings reflect the feasibility and cost of expanding 'A' or 'B' wing to include:

- A. Expand the boy's detention wing to a capacity of 20 (an increase of 12-14 sleeping rooms). No interior support columns allowed in the detention day room. Modify HVAC ductwork to delete "low" ductwork if possible.
- B. Include two (2) additional showers for the boy's wing.
- C. Increase the Visitation Area.
- D. Increase intake/check-in Storage Area and add additional lockers.
- E. Include a restroom off the Nurse's Room.
- F. Modify the Kitchen by installing an exterior walk-in refrigerator/freezer, additional dry storage shelving and the possibility of a new warming oven, ovens, prep sinks, etc. and coordinate work with Kitchen designer.
- G. Study how the Boys and Girls Visitation Areas can be separated.
- H. Expand the open Classroom area to the west for additional Classroom and Storage space.
- I. Possible new entry vestibule.

Services shall also include the following:

- A. Planning meetings.

An initial start-up meeting will be scheduled to review and detail the scope of the project, define its parameters, review time lines and meeting dates, identify and collect available data, and discuss other pertinent aspects of the work elements. Additional meetings shall be conducted as need dictates to complete the study and schematic drawings.

B. Preliminary and Design Phase.

This task will involve the preparation of floor plans, elevations and cost estimates for consideration and specific recommendations and discussions.

C. Preliminary Review Meeting and Presentation before the Commission at which time the report and schematic drawings will be discussed and questions answered.



# CERTIFIED COPY OF ORDER

STATE OF MISSOURI }  
County of Boone } ea.

February Session of the February Adjourned

Term. 20 03

In the County Commission of said county, on the

25<sup>th</sup> day of February 20 03

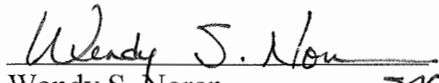
the following, among other proceedings, were had, viz:

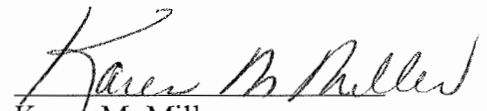
Now on this day, the County Commission of the County of Boone does hereby approve the Proposal for Consultant Services with Engineering Surveys and Services for the Ludwick Blvd. Drainage Structure Improvement Project. It is further ordered that the Presiding Commissioner be hereby authorized to sign said proposal.

Done this 25<sup>th</sup> day of February, 2003.

  
Keith Schnarre  
Presiding Commissioner

ATTEST:

  
Wendy S. Noren  
Clerk of the County Commission

  
Karen M. Miller  
District I Commissioner

  
Skip Elkin  
District II Commissioner

**APPROVAL OF PROPOSAL FOR CONSULTANT SERVICES**

Effective the 25 day of February, 2003, Boone County, Missouri, a political subdivision of the state of Missouri through its County Commission (herein "Owner") hereby approves and authorizes professional services by the Consultant referred to below for the services specified below.

Consultant Name: Engineering Surveys and Services

Project/Work Description: Engineering, Surveying, and Geotechnical Engineering Services: Ludwig Blvd. Drainage Structure Improvement Project

Proposal Description: (identify proposal by date, person issuing proposal and attach a copy of proposal) See attached "Project Requirements" worksheet acknowledged by David A. Bennett, P.E. dated 2/5/2003, and proposal letter from to Bennett to Nichols dated 2/5/2003.

Modifications to Proposal: (identify any modifications or attach correspondence modifying proposal, or show as not applicable) Engineering and surveying fees and expenses shall not exceed \$7,000.00 without prior written approval of Owner; geotechnical engineering fees and expenses shall not exceed \$2,500.00 without prior written approval of Owner.

This form agreement and any attachments to it shall be considered the approved proposal; signature by all parties below constitutes a contract for services in accordance with the above described proposal and any approved modifications to the proposal, both of which shall be in accordance with the terms and conditions of the General Consultant Services Agreement signed by the Consultant and Owner for the current calendar year on file with the Boone County Public Works Department, which is hereby incorporated by reference. Performance of Consultant's services and compensation for services shall in accordance with the approved proposal and any approved modifications to it and shall be subject to and consistent with the General Consultant Services Agreement for the current calendar year. In the event of any conflict in interpretation between the proposal approved herein and the general Consultant Services Agreement, the terms and conditions of the general agreement shall control unless the proposal approved herein specifically identifies a term or condition of the general Consultant Services Agreement that shall not be applicable.

**CONSULTANT**

By \_\_\_\_\_  
Title \_\_\_\_\_

Dated: \_\_\_\_\_

**APPROVED AS TO FORM:**

\_\_\_\_\_  
County Counselor

**APPROVED:**

\_\_\_\_\_  
Director, Boone County Public Works

**BOONE COUNTY, MISSOURI**

By [Signature]  
Presiding Commissioner

Dated: 25 February 2003

**ATTEST:**

[Signature]  
County Clerk

**CERTIFICATION:**

I certify that this contract is within the purpose of the appropriation to which it is to be charged and there is an unencumbered balance of such appropriation sufficient to pay the costs arising from this contract.

[Signature] 2/19/03  
Auditor [Signature] Date  
2048-71102 \$9,500

# Engineering Surveys and Services

Consulting Engineers, Geologists, and Land Surveyors  
Analytical and Materials Laboratories

FEB -7 2003

Larry L. Hendren, PE, RG  
David A. Bennett, PE  
Timothy J. Reed, PLS  
Morton L. Ratliff, PLS  
John M. Eppenauer, PLS  
Bruce A. Dawson, PE  
Clifford S. Jarvis, PE

Randall A. Lee, PE, RG  
Timothy J. O' Connor, PE  
Benjamin A. Ross, PE  
Stephan C. Tufte, PLS  
Darrell G. Hartley, PE

1113 Fay Street  
Columbia, Missouri 65201  
Telephone 573-449-2646  
Facsimile 573-499-1499  
E-Mail [css@ess-inc.com](mailto:css@ess-inc.com)  
<http://www.ess-inc.com>

February 5, 2003

Mr. David Nichols, P.E.  
Boone County Public Works  
5551 Highway 63 South  
Columbia, MO 65201

RE: Ludwick Boulevard  
Drainage Structure Improvements  
Columbia, Missouri

Dear Mr. Nichols:

We have reviewed your request for proposal (RFP) on the referenced project and propose to provide the professional engineering and surveying services described in the Scope of Engineering Services contained in the RFP for a not-to-exceed fee of \$7,000. We are prepared to begin work on this project immediately and anticipate completion of the work within 60 days of receiving your notice to proceed. A signed copy of the requirements for this project is attached.

Pursuant to our recent conversation, we have also reviewed the work involved in preparing a geotechnical report for this project. Should you so desire, we can prepare the geotechnical report for an additional not-to-exceed fee of \$2,500.

All billings will be on a time expended basis in accordance with the attached fee schedule up to the agreed maximum. I trust this provides the information you requested. Should you have any questions or need any additional information, please contact . We appreciate the opportunity to submit this proposal and, as always, look forward to working with you on this project.

Respectfully submitted,



David A. Bennett

enclosures

Other Offices

Jefferson City, Missouri • Sedalia, Missouri

### Ludwick Boulevard Drainage Issues

#### Project Description:

Ludwick Boulevard is a county road which intersects off of Scott's Boulevard and extends west and serves as the internal road to the Germantown Subdivision. The Subdivision is situated half-way inside the City of Columbia Corporate Limits and half-way within the County's jurisdiction. Ludwick Boulevard is a 32 foot wide concrete curb and gutter street which loops around the subdivision and is the only entrance. (See the attached drawing). There are two existing 60" twin culverts under Ludwick allowing the Goodin Branch Creek to flow under the road. Both the City and County Public Works Departments have received several complaints of yard erosion and yard, street and house flooding in the Subdivision, particularly in the area of the twin pipes. City staff has performed preliminary modeling studies and have determined that the existing culverts are inadequate to pass a 25 year event. Also, any upgrade to the structure will require improvements to the upstream and downstream channels. Therefore, the County and City would like to replace the culverts with a structure capable of passing a 25-year storm event. Attached is a site map showing the location of the neighborhood and proposed structure.

Boone County is requesting a proposal to perform design services for the proposed structure. The proposal should be based on the following scope:

Please provide a not to exceed cost proposal indicating your design fee and the anticipated construction costs for the design of a structure over Goodin Branch on Ludwick Boulevard. The structure should be cost effective and designed to accommodate the flow from a 25-year storm event. No changes should be made to the road approaches on each side of the structure.

The basic design parameters are listed below. Attached is the actual Scope of Engineering Services indicating specific design and surveying requirements to be fulfilled upon entering into an agreement with the County.

All construction documents shall meet Boone County and City of Columbia Public Works Department minimum standards.

Please prepare your proposal indicating a not to exceed cost per the attached Scope of Engineering Services.

#### Design Parameters for Ludwick Boulevard Structure:

Road Classification is local 32' wide residential. Requires adequate drainage easement to encompass structure. The structure width will be determined at the start-up meeting.

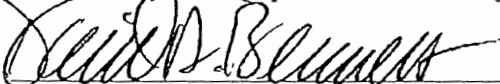
Bridge Design Loading will be HS20-44/3S2.

Design Storm will be 25-year with a 100-year overflow path to convey water in excess of the design storm, 1 foot of freeboard below adjacent low floors.

Development of bid documents.

By signing the Project Requirements worksheet the design professional agrees that he/she has received, reviewed, completed, and understands the above document along with the enclosed site plan and Scope of Engineering Services.

Plans and specifications will be reviewed for compliance with this proposal. Any and all deficiencies will be corrected by the design professional at the design professional's expense.

  
Signature

February 5, 2003  
Date



# Engineering Surveys and Services

Consulting Engineers, Geologists, and Land Surveyors  
Analytical and Materials Laboratories

Larry L. Hendren, PE, RG  
David A. Bennett, PE  
Timothy J. Reed, PLS  
Morton L. Ratliff, PLS  
John M. Eppenauer, PLS  
Bruce A. Dawson, PE  
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1113 Fay Street  
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Telephone 573-449-2646  
Facsimile 573-499-1499  
E-Mail [ess@ess-inc.com](mailto:ess@ess-inc.com)  
<http://www.ess-inc.com>

## HOURLY FEE SCHEDULE

January 1, 2002

<u>Services of:</u>	<u>Rate:</u>
Firm Principal	\$ 85.00/hour
Registered Professional Engineer	\$ 80.00/hour
Registered Land Surveyor	\$ 75.00/hour
Registered Geologist	\$ 75.00/hour
Engineer In Training	\$ 50.00-60.00/hour
Engineering Technician	\$ 36.00-48.00/hour
CAD Operator	\$ 42.00-50.00/hour
Secretary	\$ 40.00/hour
2 Man Field Crew	\$ 90.00-120.00/hour
3 Man Field Crew	\$120.00-150.00/hour
Computer	\$ 50.00/hour
EDM Equipment	\$ 100.00/day
Drill Rig	\$ 55.00-\$100.00/hour
Large Format Copies	\$ 3.50 each
Photocopies	\$ 0.20 each
Travel	\$ 0.40/mile

### NOTES

1. The exact rate for field crew depends upon the composition of the crew involved.
2. Since charges are based on salary multiplier, all rates are subject to minor fluctuations as salaries change.
3. Overtime charges at 1.4 times above rates.

### Other Offices

Jefferson City, Missouri • Sedalia, Missouri



# CERTIFIED COPY OF ORDER

STATE OF MISSOURI }  
County of Boone } ea.

February Session of the February Adjourned

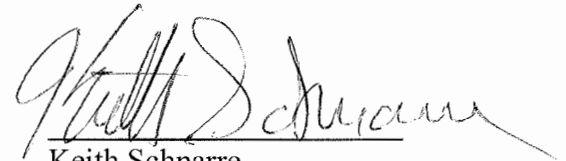
Term. 20 03

In the County Commission of said county, on the 25<sup>th</sup> day of February 20 03

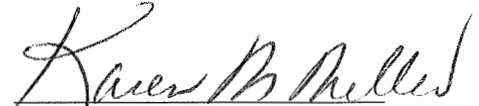
the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby approve the Storm Water Management Program for Boone County Missouri. It is further ordered that the Presiding Commissioner be hereby authorized to sign Form L – Application for Co-Permittee Small MS4 General Permit and Form M – Application for Storm Water Permit.

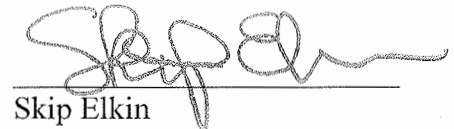
Done this 25<sup>th</sup> day of February, 2003.



Keith Schnarre  
Presiding Commissioner

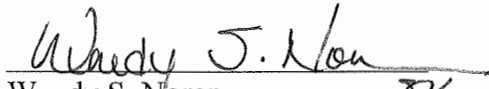


Karen M. Miller  
District I Commissioner



Skip Elkin  
District II Commissioner

ATTEST:

  
Wendy S. Noren  
Clerk of the County Commission

# STORM WATER MANAGEMENT PROGRAM

**BOONE COUNTY MISSOURI**



Prepared by: Boone County Public Works Department  
February 2003

# STORM WATER MANAGEMENT PROGRAM

## Boone County Missouri

February 2003

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**Boone County, Missouri**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Phase II Permit**

**I. Purpose and Scope**

The purpose of this storm water management plan is to develop and implement programs in order to effectively minimize storm water pollutant runoff in the various watersheds throughout Boone County Missouri.

The area covered by this plan includes the entire County limits, excluding all incorporated municipalities.

The plan was prepared in conjunction with similar plans for the University of Missouri and city of Columbia. The three entities are submitting a joint permit application. It is the intent of the three agencies to develop, to the maximum extent practical, similar storm water pollution prevention plans in order to provide consistent standards for development and so there is a comprehensive and consistent storm water management plan for the entirety of Boone County, exclusive of several small incorporated municipalities (such as Rocheport, Centralia and Hallsville) which are not regulated by Boone County , the city of Columbia or the University of Missouri.

**II. Boone County General Information**

Boone County is located in central Missouri. The County is bordered by the Missouri River, and the Counties of Cooper, Moniteau, and Cole on the south; by Howard County on the west; by the Counties of Randolph and Audrain on the north; and, by the Counties of Audrain and Callaway on the east. The total land area within the County is 691 square miles. The County is situated about 125 miles due east of Kansas City, Missouri, and about 125 miles due west of St. Louis, Missouri. Major thoroughfares are Interstate Highway 70 and U.S. Highways 63 and 40.

The climate of central Missouri varies widely with fluctuations in temperature, precipitation, and humidity. Precipitation is generally evenly distributed throughout the year but large amounts of rainfall occur in summer and fall, particularly in June and September. The average annual precipitation is just over 40 inches. Heaviest rainfall typically arrives in the late spring and early summer with 70% of the total precipitation falling in the period from April through August. The driest period is from November through March. The climate is primarily affected by cold air moving down from Canada; warm moist air moving up from the Gulf of Mexico; and dry air from the west. The climate for Boone County, Missouri is best classified as humid continental with warm summers and cool winters. Temperatures rarely exceed 100° Fahrenheit in the summer

and rarely fall below 0° Fahrenheit in the winter.

Approximately five –ten percent of the un-incorporated areas of the County has been developed, with the remainder made up of wooded areas, pastureland, and crop land. Most of the development taking place is either in the form of single-family residences on large lots or single-family residences built in isolated subdivisions. There has been very little building in the flood plains of the creeks. The largest city in the County is Columbia with a population of 84,531 (2000 census) and the area of Columbia is 55.2 square miles. There are also smaller incorporated communities within the County, making the total County population 135,454.

The southern portion of Boone County is hilly and rocky with much of the rock located close to the surface. The northeastern portion is generally flat with very little rock. Soils in the area are generally fine-grained with moderately pervious surface soils and less pervious sub-soils. They are classified according to the unified classification system primarily as silt loams and silty clay loams. Soils are generally classified as hydrological Groups C and D with small areas of Group B according to the Soil Conservation Service System. The area is best characterized by rolling hills with steep slopes along the larger streams.

The drainage basins and watersheds in Boone County generally drain from a northeast to a southwest direction. There are seventeen 14-digit hydrologic unit drainage sub-basins within the County and nine areas shared with adjacent Counties.

A map showing the creeks within the County is included with this submittal. Outlets are identified on the map and legal descriptions for the outlets are included.

### **III. 303d Listed Waters**

A portion of Cedar Creek in northeastern Boone County has been classified as an impaired stream. The segment is in the center of Section 15, T49N R11W and the downstream end is in the north half of section 34, T49N R11W. The impaired section begins about 2.5 miles downstream from where cedar creek becomes a class C stream, a point which lies near the center of the Cedar Creek mined land area. The identified pollutants are low pH and Sulfate. Approximately 1200 acres on upper Cedar Creek straddling the Boone-Callaway County line was strip-mined for coal between 1941 and 1962. The run-off from this seriously degraded the stream condition for many miles downstream on Cedar Creek. There are current land reclamation projects underway to address the high pollutant levels. The land is mainly agricultural and any potential development is unlikely to occur. The County will seek guidance from MDNR to address run-off issues within the area of this impaired water body.

#### **IV. Preparation of Application**

The County has joined with the city of Columbia and the University of Missouri Columbia campus to prepare and write a joint permit application as outlined in Form L *Application for Co-permittee Small MS4 General Permit*. As with the County, the city of Columbia and the University of Missouri have brought experienced and knowledgeable staffers to work on the permit application process such that the program can be tailored to address those areas of specific concerns on a priority basis.

In writing this permit, the County relied heavily on its own staff as well as the city of Columbia's experienced staff and Environmental Protection Agency (EPA) guidance policies.

The County does not have a funding source for implementation of the Phase II regulations. The County Counselor has done significant research into the State Statutes on funding options the County can choose and eventually put into operation. Until such time, the County will be limited on the Best Management Practices (BMPs) it can incorporate into the program and will do everything to the maximum extent practicable. The current efforts listed with this application are being funded through the road and bridge department's operational funds. Therefore, It is apparent that funding will be necessary in the future by the second or third year of the permit to provide for the programs identified, as well as operation and maintenance enhancements especially in the area of post-construction (BMPs). Funding has been identified in Minimum Control Measure (MCM) 5 Post-construction Storm Water management in New Development and Redevelopment as a specific measurable goal. Identifying a funding source will be necessary. A change in State Statues and the success of these programs will be dependent upon the ability to obtain this funding.

#### **V. MCM 1 - Public Education and Outreach on Storm Water Impacts**

***Permit Requirements:*** Boone County intends to modify its current public education and outreach program on storm water impacts as shown in Table 5.1. In a joint effort with the City of Columbia and through a series of one-year contracts with the University of Missouri, Boone County has provided a public education and outreach program to citizens, businesses, and property owners in the metro area outside the incorporated limits of the city. Though the current education program has been judged a success over the past 3 years, certain target audiences have been identified and modifications to the current program will be phased in.

The focus of the education efforts, both past and in the future, will be to educate the public about issues involving storm water discharges and their relative impacts on storm water quality, as well as informing the public about measures they can take to reduce pollutants in storm water runoff.



**Decision Process:** Boone County has developed its storm water public education and outreach program in cooperation with the city of Columbia and the University of Missouri. A Storm Water Steering Committee meets on a monthly basis to discuss educational issues. The city of Columbia also engages the services of the University of Missouri for similar work about public education and outreach.

Actions impacting the target pollutants have been identified and through the outreach program's recommendations, Boone County's public education program is designed to impact the actions identified.

Because watershed areas cross governmental boundaries, the following is a list of the target pollutants in Columbia and the metro area that are impacting storm water quality with priority 1 judged as having the most impact and 5 as having the least:

<b>Priority</b>	<b>Pollutant</b>
2	<i>Floatables</i>
1	<i>Sediment/Suspended Solids</i>
3	<i>Nutrients</i>
4	<i>Bacteria</i>
3	<i>Pesticides</i>
4	<i>Metals</i>
4	<i>Petroleum Hydrocarbons (Oil and Grease: BTEX compounds and PAHs)</i>
3	<i>Toxic Organic Chemicals (Paint Solvents, Cleaners)</i>
5	<i>Salinity (Salt)</i>
3	<i>Organic Materials</i>
5	<i>Temperature</i>

**Public Action/Public Involvement:** The public education and outreach program is designed to inform citizens, property owners and business owners about measures they can take to reduce their impact on storm water pollution. Boone County will inform individuals and groups about how to become involved in the

storm water program through MCM 2 *Public Involvement and Public Participation*.

**Target Audiences:** The current public education and outreach program will be modified as shown in Table 5.1 to specifically target auto repair facilities, restaurants and similar facilities. These target audiences were selected because automobile-related facilities and restaurants may be significant contributors to storm water pollution. The other outreach programs are intended to reach a broader base of County residents in order to introduce them to good storm water practices.

**Target Pollutant Sources:** The primary or target pollutant sources having a major impact on storm water quality have been identified and the following is a list of those sources. The sources are listed numerically with 5 being a minimal or no impact source and 1 being a major impact source. These are almost the same sources identified in the city of Columbia's application and are considered to be community wide sources of pollutants.

<b>Priority</b>	<b>Pollutant Source</b>
2	<i>Construction Activities B Sediment, Construction Chemicals and Debris, Concrete Truck Washout, Wind-blown Debris</i>
1	<i>Stream bank Erosion-Urban Hydrology</i>
3	<i>Application of Fertilizers, Pesticides (Residential and Commercial)</i>
3	<i>Improper Disposal of Paint and Household Hazardous Chemicals</i>
4	<i>Pet Waste Contamination</i>
2	<i>Improper Disposal of Waste Oil</i>
4	<i>Trash, Debris and Illegal Dumping</i>
4	<i>Detergents Washed into Drains</i>
3	<i>Snow Removal (Salt, Cinders)</i>
4	<i>Sanitary Sewer/ Lagoon Overflows</i>
5	<i>Infiltration from Cracked Sanitary Sewers</i>
5	<i>Failing Septic Systems</i>
4	<i>Spills from Roadway Accidents or Fires</i>

<b>Priority</b>	<b>Pollutant Source</b>
2	<i>Connected Impervious Areas Covering Large Acreage, e.g. Malls, etc.</i>
3	<i>Improper Disposal of Lawn Wastes (Grass Clippings and Leaves)</i>
2	<i>Vehicle Maintenance Areas</i>
3	<i>Gas Stations</i>
3	<i>Illicit Dumping into Storm Drains</i>

**Outreach Strategies:** Boone County will continue to work in concert with the city of Columbia and University of Missouri Columbia campus, as has been the case over the past 3 years, in its public education and outreach program. Where possible the local U.S.D.A. office will be asked to be involved along with the local County Soil and Water Conservation District.

As part of the public education and outreach program the County will provide support at various community events throughout the calendar year such as Earth Day, the Home Show and the Twilight Festival, a total of 10 events per year. At these events various brochures and informational packets on numerous topics related to storm water quality and impacts will be available. Also recruitment for watershed partnerships will occur. The County will continue to support at least 12 monthly presentations annually to various citizens' groups on storm water related issues. Targeted educational materials will be prepared for restaurants, auto repair facilities, owners of large businesses, e.g. malls, advising them of their impacts on storm water quality and what they can do to reduce or mitigate those impacts. The County will develop two public service announcements targeted for the rural residents and aired on radio at strategic times of the year.

Additionally, the County will continue providing a used tire collection event for all residents to dispose of their used tires.

In order to keep materials updated, the brochures, flyers and informational bulletins for distribution from booths at public events will be reviewed once a year. Additionally, the County will develop a web site as part of its storm water management program, which will be reviewed every six months. The intent of the web site development is to introduce educational materials on that web site for public dissemination.

The County believes the educational component to be vital for the success of the storm water management program.

**Party Responsible:** The director of Public Works is responsible for the management and implementation of the Boone County storm water public education and outreach program. Other County department personnel will be involved in the actual execution of the various activities and programs but most of the activities will be promulgated through the Public Works Department.

**Measurable Goals:** The measurable goals listed in Table 5.1 were selected after significant literature research including EPA guidance sheets on the effectiveness of various BMPs. The measurable goals selected and the implementation schedule chosen will have a positive impact on the target pollutants identified as concerns for Boone County. It is felt the BMPs selected with their measurable goals will be an effective way of communicating storm water needs to the community and further that storm water friendly habits will be developed during the duration of this as well as future permits.

**5.1 PUBLIC EDUCATION & OUTREACH  
ON STORM WATER IMPACTS**

<b>BMP</b>	<b>MEASURABLE GOALS</b>	<b>IMPLEMENTATION</b>
Used Tire Collections	1 per year	Implemented
County Road Adopt-a-spot Clean-up Program	2 /year new applications 16 spots maintained	Implemented
Staffing of Community Events, e.g. Earth Day, Home Show, Twilight Festival	10 events per year	Implemented
Establish/Maintain 12 Watershed Partnerships	4 meetings/year/ Watershed Partnership	Implemented
Make Monthly Presentations to Citizen Groups	12/year	Implemented
Establish/Maintain Storm Water Web Site	review every 6 months	2005
Prepare Brochures, Flyers, Informational Bulletins for Distribution and Booths at Events	Reviewed once/year as necessary	Implemented
Public Service Announcements (Radio)	2 per year	2005
Prepare/Target and Distribute Educational Materials for Restaurants, Auto Repair Facilities	1 mailing per year	2004

## VI. MCM 2 - Public Involvement and Participation

**Permit Requirements:** Boone County will comply with applicable state and local public notice requirements during the duration of the permit.

**Decision Process:** Boone County's decision process is documented in the ensuing paragraphs.

**Public Involvement in Permit Application Preparation Process:** The City of Columbia's City Council and the Boone County Commission appointed an 18-member citizen task force made up of city and County residents from various backgrounds and interests. This task force is responsible for developing a storm water ordinance and/or amendments to existing ordinances for Columbia and the County of Boone in order to comply with Phase II regulations. The task force is also providing oversight and input into the permit application process.

**Public Involvement and Program Implementation:** The task force appointed by the Council and Commission will be involved in the development and implementation of the storm water program. Other methods of involvement have been selected as well. Past experience, literature and EPA guidance were used in selecting the public participation involvement methods. These are shown in Table 6.1 below.

**Target Audiences Involved in Program:** The target audiences are:

- X Citizens (home and property owners)
- X Business Leaders
- X Trade Associations
- X Watershed Partnership Groups
- X Local Government Officials
- X Environmental and Conservation Groups
- X Mass Media

**Public Involvement Activities:** Public involvement activities are shown in Table 6.1 and include storm drain stenciling, an adopt-a-stream program, the establishment of a community hotline, the establishment of watershed partnerships, and the aforementioned citizen's task force to develop the permit application and storm water ordinances and amendments.

The County intends to initiate a storm drain stenciling program, intending to label 50 street curb inlets per year. The County will pursue a program similar to the city of Columbia's plan to establish a phone number for reporting illicit dumping activities. Based on the city of Columbia's experience with its pilot program, the County may choose to alter its methods of stenciling.

The County, through its education and public outreach agreement with the

University of Missouri, has established and maintained watershed partnerships for each of the watersheds throughout central Boone County. Many of these watershed partnerships meet on a monthly basis, others less frequently, and the County is committed to supporting these watershed partnership meetings in each watershed on at least a quarterly basis. Additionally, the County intends to conduct a stream cleanup per watershed per year on targeted reaches of each stream. The County feels that this will increase citizen familiarity in reporting illicit discharges and abnormalities such as oil films or other unusual sightings.

On its website, the County will develop a web page to include an interactive form which can be filled out and submitted to report unusual activities within the watersheds such as illegal dumping or discharging into an inlet or other activities.

The citizen's task force appointed by Columbia's Council and the Boone County Commission bring together a considerable variety of public and private interests and represent a wide cross section of the community. They are tasked with providing the framework and background for a storm water ordinance for the city of Columbia and eventually Boone County, with primary emphasis on MCM 5 Post-construction BMPs. The committee is providing general oversight and guidance on the permit application process.

The *Public Involvement and Participation Control Measure* development will require a significant commitment on the part of the County. Boone County feels this program will result in increased public awareness of storm water related issues and increased vigilance by those participating in watershed activities. Maintaining the various partnerships will be vital to the success of this measure.

**Party Responsible:** The director of Boone County Public Works is the person responsible for the overall management and implementation of the storm water Public Involvement and Public Participation Program. Others will be involved in the execution of the various activities; however, most of the activities will be delegated through the Public Works Department.

**Goals Selected:** The goals selected were chosen based on the specific needs of the community. Past experience, literature search and EPA guidance were relied upon. It is felt the goals shown in Table 6.1 will be effective as they will have a positive impact on the target pollutants. The implementation of BMPs selected will determine the success of this MCM on water quality.

## PUBLIC INVOLVEMENT AND PARTICIPATION

BMP	MEASURABLE GOALS	IMPLEMENTATION
Storm Drain Stenciling	50 curb inlets - storm drains/year	2004
County Adopt-a-Stream Program	1 cleanup per watershed/year	2004
Establish County Storm Water Contact via Web site	Develop a County Web site for reporting storm water issues	2005
Establish/Maintain Watershed Partnerships	1 partnership per watershed 4 meetings - activities per partnership/year	Implemented
Appoint Citizen Committee to Develop Permit/Storm Water Ordinance	Monthly meetings	Implemented

#### VII. MCM 3 - Illicit Discharge Detection and Elimination

**Permit Requirement:** Boone County will implement and enforce a program to detect and eliminate illicit discharges as defined in 10 CSR 20-6.200.

**Storm Sewer System Map:** A map showing the location of all identified outlets as defined in the permit is attached to this application.

Graphical Information System (GIS) mapping is able to display the Boone County outfalls entering and exiting its jurisdiction. The County has initiated a program to map all drainage structures and enter them into the GIS data base using GPS technology. The data will not only provide location, but will be vital to the County's maintenance and operation department, for condition assessment and replacement program. The mapping and data collection will provide an opportunity to detect and report any illicit discharges to the drainage system. The schedule for mapping is shown in Table 7.1 below.

**Enforcement:** Boone County will develop an ordinance to regulate pollutants discharged to the MS4 by any user; to prohibit illicit connections and discharges to the MS4; and to establish the legal authority to carry out all inspections, surveillance, testing and monitoring necessary to insure compliance with this ordinance.

**Detection Methods:** Boone County will initiate BMP's to detect and address non-storm water discharges as shown in Table 7.1. Methods used for detection will most generally include on-site visual inspections through the mapping program as well as public watch and report programs with established methods of reporting.

**Informing the Public:** Boone County will inform its staff, various businesses, and the general public of the negative impacts to storm water runoff associated with illegal discharges and improper disposal of waste. Educational programs for the public including targeted audiences are listed in MCM 1. Training components for public employees are listed in MCM 6.

**Non-significant Contributors:** Boone County has not addressed any of the following categories of non-storm water discharges or flows as significant contributors of pollutants to the County's MS4. These include:

- X landscape irrigation or rising groundwater
- X uncontaminated groundwater infiltration (as defined in 10 CSR 20-6.200)
- X uncontaminated pumped groundwater
- X discharges from potable water sources including waterline flushing and fire hydrant testing, foundation drains and air conditioning condensation
- X springs
- X water from crawl space pumps
- X footing drains
- X lawn watering
- X flows from riparian habitats and wetlands
- X street wash water

Discharges or flows from fire fighting activities are excluded from the effective prohibition against non-storm water runoff and will only be addressed where they are considered significant sources of pollutants to waters of the state.

**Occasional/Incidental Non-storm Water Discharges:** Boone County's illicit discharge ordinance does not intend to include a list of other similar occasional or incidental non-storm water discharges such as non-commercial or charity car washes. These will not be addressed as illicit discharges since they are not significant sources of pollutants to the MS4. However, if these occasional or incidental discharges are identified in the future as problematic, steps will be taken to address the issue(s).

**Decision Process:** Boone County feels the BMPs outlined in Table 7.1 below will allow proper identification, categorization and inspection of its existing storm drainage system. The additional emphasis placed on illicit detection and elimination, as well as amending existing ordinances to provide for inspection,



training, and enforcement, are important elements in the process to eliminate any illicit discharges into the storm sewer system.

**Mapping:** Boone County has prepared a map with this permit application from its GIS database which shows the outfalls as defined in the general permit. They are listed in tabular form as well on the map. The map will be revised showing the County maintained drainage structures identified by a GIS coordinate system. The system will allow tracking of reported illicit dumping or discharges and will be a tool for source detection.

All new storm drainage piping will be placed on the new map once they have been constructed and accepted by Boone County for operation and maintenance.

**Ordinance Preparations:** Boone County intends to adopt an ordinance to regulate non-storm water discharges to its storm drainage system in 2006.

**Enforcement:** Boone County will prescribe those enforcement procedures which are intended to remove any source of illicit discharge as part of the ordinance.

**Detection Procedures/Locating Priority Areas:** Boone County's plan to detect and address illicit discharges will rely primarily on visual monitoring of its drainage system. The reporting of any illicit discharges will be tracked on the GIS map in order to assist in detecting the discharge source. Areas near activities such as automobile related facilities and others of a similar nature will be prioritized for stream team clean-ups. Teams will be provided annual training on detection methods and reporting procedures.

Boone County will continue to review building plans and perform inspections in coordination with the Boone County Health Department.

**Tracing and Removing Illicit Discharges:** The County will provide training to its staff, stream teams, and those performing drainage structure inspection services with annual training on detection of illicit discharges.

**Removal of Illicit Discharges:** Illicit discharges will be disconnected by the authority of the ordinance intended to be adopted in 2006.

**Public Information Format:** Boone County through minimum control measures 1, 2 and 6, and more fully described in the narrative for MCMs 1, 2 and 6, informs and will inform its employees, businesses and the general public of the hazards associated with illegal discharges and improper disposals. The methods and descriptions of how the plan will be coordinated and implemented are contained within MCMs 1, 2 and 6.

**Responsible Person:** The director of Public Works will be responsible for the overall management and implementation of Boone County's storm water illicit discharge detection and elimination program. Others within the department and County will also be involved.

**Program Evaluation:** The program will be evaluated based on achieving those measurable goals listed in Table 7.1 below. Additionally, although not a listed measurable goal, the number of illicit connections identified and eliminated may also be used to evaluate the program.

Boone County does not feel that numerous connections of illicit discharges into the storm sewer system exist; however, it is important to establish the database and to begin implementing the detection tracking procedure to understand the condition of the drainage system.

**7.1 ILLICIT DISCHARGE DETECTION & ELIMINATION**

<b>BMP</b>	<b>MEASURABLE GOALS</b>	<b>IMPLEMENTATION</b>
<b>Develop Storm Sewer Map with Outfalls</b>	<b>Location of all outfalls as defined by the permit</b>	<b>Submit with application</b>
<b>Develop a GIS Map with all County maintained culverts, Inlets and Associated Attributes</b>	<b>Map 1/5 of system per year ( 1/5 completed in 2002)</b>	<b>2006</b>
<b>New Buildings/Plan Reviews &amp; Inspections</b>	<b>100% inspected</b>	<b>Implemented</b>
<b>Develop an Ordinance to regulate non-storm water discharges to the storm drainage system.</b>	<b>Adopt Ordinance</b>	<b>2006</b>
<b>Develop Training for Stream Teams to Identify/Report Illicit Connections</b>	<b>1 training session per year</b>	<b>2005</b>

## VIII. MCM 4- Construction Site Storm Water Runoff Control

**Permit Requirement:** Boone County Public Works has a road regulation manual which requires all land disturbance related to road building to follow practices necessary to control erosion and sediment loss from leaving the site. All plans which require a permit from MoDNR, for land disturbances greater than 1 acre must be submitted to the department for approval, prior to plan approval.

The County Public Works Department will initiate a comprehensive review process. Work will be authorized to commence once the plans are approved and a construction permit is issued. Additional employees will likely be necessary to implement this program including trained inspectors to inspect each of the construction sites underway.

Procedures are in place for site inspection and enforcement of erosion control measures for projects submitted through the platting process and projects initiated by Public Works. Sites are inspected on a regular basis and notices of violations (NOV) are sent to the responsible parties. In the event compliance is not forthcoming, Public Works will not approve for acceptance the final plat. On Public Works generated projects, enforcement is tied to withholding pay requests from the responsible contractor.

**Decision Process:** Boone County will develop a model ordinance very similar to the city of Columbia's Chapter 12A, Land Preservation ordinance. Chapter 12A has been an approved program for the City by MDNR since 1991 and adoption by the County will provide consistent guidance and direction to the development community.

The County will develop ordinances as its enforcement mechanism under guidance from the County Counselor. Stop work orders may be issued for construction works on land disturbance activities where it is deemed necessary. These stop work orders remain in effect until erosion control devices are brought into compliance with the approved plan for the site.

Larger land disturbance sites, which are part of major developments, generally have requirements of public hearings during the platting and subdivision process. This is always required for a change in zoning. Public input is received at this time on all aspects of the project. Additionally, public input is received and responded to by Public Works Department staff during construction activities when neighbors or adjacent property owners feel that the ongoing work may be out of compliance with the construction plans.

The director of Public Works is responsible for overall management and implementation of Boone County's construction sites storm water control program. Others in the department are responsible for individual activities, however, the director has overall programmatic control.

In developing this permit application for MCM 4, Boone County reviewed the city of Columbia's Chapter 12 A and along with input from the appointed citizen committee, felt it was best for the community for the County to adopt an existing ordinance. The County also set a BMP and goal for training of County inspectors on matters related to erosion and sediment control and storm water quality. If certification is available or becomes available in the future, inspectors will undergo the necessary training to become certified.

Additionally, annual training seminars for contractors and builders will be made available. In the past, training for contractors and builders has been provided by the city of Columbia. Boone County would like to expand the city of Columbia's program encouraging all contractors and builders who build in the County to attend a County training seminar.

Other measurable goals for refinement of the existing construction site storm water runoff control program include a formalization of inspection of each construction site for compliance on at least a weekly basis with the intent to provide biweekly. The formalization will include documentation and follow-up with the owner/operator in the event that maintenance activities are needed. Additionally, Boone County will work with the County Counselor to establish guidelines on enforcement time, penalties, and fines to streamline the enforcement procedure. Bonding of sites will be considered, however, it is unknown what combination of changes will be needed in order to streamline the enforcement time lag to facilitate more compliance with the land disturbance ordinance within the construction and building industry in Boone County.

## 8.1 CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

BMP	MEASURABLE GOALS	IMPLEMENTATION
Model Ordinance	Develop an Ordinance similar to Columbia Chapter 12A to control run-off from all construction sites that disturb more than one acre.	2005
Site Plans (Land Disturbance Plans) Reviewed/Approved	100% of sites disturbed have plans approved	2005
Land Disturbance Sites Inspected	100% of sites inspected	2005
Development Program to	100% of inspectors	2005

<b>Train/Certify Contractors and Inspectors</b>	<b>trained/certified; annual training seminars for contractors/inspectors</b>	
<b>Improve Maintenance of Installed Erosion Control Measures at Land Disturbance Sites</b>	<b>Inspect each site for compliance on at least a weekly basis</b>	<b>2005</b>
<b>Review Enforcement Procedures/Implement Revised Procedure Policies</b>	<b>Reduce enforcement time lag; modify penalties and fines</b>	<b>2005</b>

**IX. MCM 5 Post-construction Storm Water Management in New Development and Redevelopment**

**Permit Requirement/Overview:** Boone County will develop, implement and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre. This will include projects less than one acre which are part of a larger common plan for development or sale.

**Strategies:** Boone County will develop and implement strategies which will include a combination of structural and non-structural BMPs. These BMPs are shown in Table 9.1 below. A street and sidewalk standards review committee will be formed much like the City of Columbia's current committee. All aspects of infrastructure design including streets and sidewalks will be reviewed annually. The flood plain ordinance, which restricts development in the 100-year flood plain, is currently in effect in Boone County and is enforced through the County' Building and Inspection Department. All activities in the flood plain are subject to a plan review, permit and inspection process.

The Columbia City Council and the Boone County Commission have appointed a citizens' task force to develop a storm water ordinance appropriate for Columbia and Boone County. This task force began meeting in April 2002 with their primary work being with MCM 5 to develop those structural and non-structural BMPs appropriate for each entity which would minimize impacts to storm water quality from development and having the least negative impact upon development throughout Columbia and Boone County.

**Non-structural BMPs:** The task force is considering the following non-structural BMPs for inclusion into the city of Columbia's and Boone County's post-construction storm water management program:

- X Protection of environmentally sensitive areas (wetlands, riparian areas, karst, climax forests, steep slopes, etc.)
- X Impervious cover limits which may vary by watershed
- X Transfer of development rights
- X Purchase of development rights
- X Open space or cluster development
- X Stream bank buffer requirements
- X Conservation easements/land purchases
- X Control sewer mains, water mains and public road extensions and improvements
- X Have input on the location of new schools
- X Increase restrictions on the use of on-site wastewater systems
- X Zoning overlay districts
- X Establish maximum lot sizes
- X Provide incentives for Brownfield and gray field development, e.g. reduced or waived fees, tax incentives
- X Special area plans
- X Flexible design standards for infrastructure
- X A tiered structure for storm water utility rates as a means to encourage and discourage development
- X Pervious medians
- X Review zoning regulations for potential reductions of minimum lot size, building setbacks, residential alleys, maximum building heights and creation of development incentives
- X PUD revisions and public/private coalition to assemble and plan redevelopment in designated areas
- X Rain gardens, rain barrels
- X Training for developers and property owners

**Structural BMPs:** The storm water task force is considering the following structural BMPs for inclusion into Columbia's and Boone County's post-construction storm water management program:

- X Storage practices such as wet ponds and extended detention outlet structures
- X Filtration practices, e.g. grass swales, bio-retention cells, sand filters and filter strips
- X Infiltration practices, e.g. infiltration basins and infiltration trenches

**Regulatory Mechanisms:** Boone County will use ordinances or regulations to address post-construction runoff from new development and redevelopment projects. A design manual will also be prepared and adopted by the County Commission. It will be the approved resource for all development in the County for addressing storm water run-off.

**Long-Term Operation and Maintenance:** Recommendations will be made by the task force on operation and maintenance issues. The County will work with

the County Counselor on development of a policy to address whether BMPs are maintained by the County or by private property owners.

It is unknown which procedure for maintenance will be recommended. The County will seek a change in State legislation to allow for the County to collect fees to manage the Post-Construction Run-Off Control Program.

**Decision Process:** Boone County's decision process is documented in the rationale statement in the ensuing paragraphs. Boone County will be considering a sizeable menu of structural and non-structural BMPs when developing its post-construction storm water management program. The implementation and selection will be dependent on the County's success of finding a funding source.

**Priority Areas:** Data has been collected on the various watersheds throughout Boone County. It is initially apparent that a storm water post-construction management program in Boone County will need to be tailored to the specific conditions in the various watersheds. The task force will be considering this during their deliberations and discussions.

**Ordinance, Policies and Design Manuals:** Boone County will develop an ordinance in order to address post-construction runoff from new developments and redevelopments. Ordinances or regulations will be used to enact and enforce policies and programs.

**Long-term Operation and Maintenance:** Operation and maintenance of structural BMPs will be either by the County Public Works Department funded by a later to be determined storm water fee mechanism or will remain the responsibility of the private sector.

After discussions with the Public Works department, the storm water task force will make recommendations to the County Commission for implementation.

**Party Responsible for Overall Management and Implementation of MCM 5:** The director of Public Works will be responsible for the overall MCM 5 program. Other staffers within the Public Works organization will also be involved but the primary responsibility will remain with the director.

**Measurable Goals:** The measurable goals are shown in Table 9.1. It is expected that a storm water ordinance and manual will be adopted in 2006. These measurable goals were selected after reviewing EPA and other technical documents on the effectiveness of BMPs. These goals were selected because it is believed they will provide an improvement to storm water runoff quality in Boone County. The implementation of the BMPs selected, along with the measurable goals, will determine the success of this measure on water quality.

9.1 POST-CONSTRUCTION STORM WATER RUNOFF CONTROL  
IN NEW DEVELOPMENT/REDEVELOPMENT

BMP	MEASURABLE GOALS	IMPLEMENTATION
Street/Sidewalk Standards Review Committee	Develop flexible design standards	2006
Flood Plain Ordinance	Permit/inspect 100% of activities in flood plain	Implemented
Implement Storm Water Funding Mechanism	Adoption of ordinance allowing County to Collect funding for storm water management purposes	2006
Develop Storm Water Ordinance for Post-Construction Storm Water Control	Adoption of ordinance	2006
Develop Design Manual for Structural/Non-Structural BMPs	Adoption of manual	2006

X. MCM 6 - Pollution Prevention/Good Housekeeping for Municipal Operations

**Permit Requirement/Overview:** Boone County will develop an operation and maintenance program which will include training components with the ultimate goal of preventing and/or reducing pollutant runoff from municipal operations. The various BMPs to be implemented along with measurable goals and an implementation schedule are shown on Table 10.1 below.

**Training:** Utilizing existing training materials from EPA and the state and from materials yet to be developed, Boone County will include employee training as shown in Table 10.1 Training will be primarily in the areas of hazardous material handling, pesticide application, vehicle maintenance and street maintenance including snow removal operations.

**Decision Process:** Boone County has developed its pollution prevention/good housekeeping for municipal operations control measure after a thorough review of all municipal operations. The program is tailored for and unique to Boone County's municipal operations. The BMPs, measurable goals and implementation schedule are shown in Table 10.1.



**Pollution Prevention and Good Housekeeping:** Boone County has and will continue to implement additional pollution prevention and good housekeeping measures in each of the municipal activities shown in Table 10.1. A list of the industrial facilities Boone County operates, which are subject to individual NPDES permits for discharges of storm water is as follows:

X Boone County South Facility site MO-G140025

**Employee Training:** Boone County's employee training program is shown in Table 10.1. The employee training program will emphasize the areas of fleet and building maintenance, street maintenance including snow removal operations, open space maintenance (guard rails and trails) and new construction and land disturbances (covered primarily in MCM 4). The measurable goals and implementation schedules for each are included in Table 10.1.

Of necessity, these training activities will be coordinated with all other MCMs such that a consistent message is presented to both the public and private sector throughout Columbia.

**Maintenance Activities and Schedules:** Various maintenance activities and schedules are shown on Table 10.1. Examples include; parking lot sweeping on an annual basis; street sweeping annually; and developing a schedule for storm sewer cleaning and maintenance.

Floatable reduction will occur as a result of these scheduled practices. Additionally, a minimum of 2 adopt-a-road areas are in place under MCM 1. Structural controls to reduce floatables have not been recommended by the Storm Water Task Force. It is anticipated their recommendations will occur in 2006 with adoption of an ordinance in 2006 under MCM 5. Maintenance will either be by the Public Works Department's funding, by private operating authorities or a combination of both.

**Discharge of Pollutants from Municipal Impervious Surfaces:** Controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, County parking lots, maintenance and storage yards, fleet or maintenance shops, and salt/sand storage locations are included in Table 10.1. Those include sweeping of County parking lots, street sweeping, review of the hazardous materials storage areas, an annual inspection of the salt storage building, and training of County employees in the areas of road salt application, fleet maintenance, street sweeping and storm sewer maintenance.

**Pollutant Removal:** Boone County will implement procedures for the proper removal of accumulated sediments, floatables, dredge material and other material.

**Party Responsible:** The Public Works director will be the responsible party for the overall management and implementation of the pollution prevention and good housekeeping program for Boone County. Other staffers throughout the County will be involved in the execution of each of the individual activities in the various programs but most will be delegated through the Public Works Department.

**Program Evaluation:** The success of Boone County's pollution prevention/good housekeeping minimum control measure will be ensured by following the implementation plan of each of the measurable goals in Table 10.1. It is felt the BMPs, measurable goals and implementation schedule will allow Boone County to have a positive impact on storm water runoff quality from its operations.

## 10.1 GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP	MEASURABLE GOALS	IMPLEMENTATION
Hazardous Materials Storage	annual inspection of storage areas	Implemented
Hazardous Materials Handling	annual employee training	Implemented
Open Space Management/Maintenance (Roadside Guard Rails and Trails)	Maintain pesticide application licensing for all employees handling/applying pesticides.	Implemented
	Provide annual employee training	2004
Equipment Storage Yards	Maintain plan to mitigate storm water runoff impacts	Implemented
Spill Response Plan for Public Works South Facility	Review annually	Implemented
Municipal Parking Lot Sweeping	Sweep concrete/asphalt	Implement in 2004

	<b>municipal lots on a annual basis</b>	
<b>Municipal Vehicle Washing</b>	<b>Only wash in commercial carwash facilities.</b>	<b>Implemented</b>
<b>Used-oil Recycling from Municipal Operations</b>	<b>Recycle/reuse 100% of used oil</b>	<b>Implemented</b>
<b>Street Sweeping</b>	<b>Sweep Curb and gutter subdivision streets annually</b>	<b>Implemented</b>
<b>Road Salt Storage</b>	<b>Annual Inspection of salt storage building</b>	<b>Implemented</b>
<b>Road Salt Application</b>	<b>Formalize the annual training program of employees and the annual review of snow removal policy</b>	<b>Implement in 2004</b>
<b>Training for Vehicle Maintenance Employees</b>	<b>Annual training for vehicle maintenance employees</b>	<b>Implement in 2004</b>
<b>Storm Sewer Cleaning and Maintenance</b>	<b>Develop listing of priority areas for cleaning and establish cleaning schedules</b>	<b>Develop listing in 2004; commence cleaning in 2005</b>
<b>Hazardous Materials/Spill Response</b>	<b>Annual review of SPCC plan</b>	<b>Implemented</b>

## **XI. Revisions to Storm Water Management plan**

This section will document revisions to this Storm Water Management plan.



**FORM L - APPLICATION FOR CO-PERMITTEE SMALL MS4  
GENERAL PERMIT (FORM M MUST ALSO BE SUBMITTED)**

**FOR AGENCY USE ONLY**

CHECK NUMBER	
DATE RECEIVED	FEE SUBMITTED

**THIS IS FOR A STORMWATER ONLY DISCHARGE PERMIT.**

1.00  
 a. These municipalities/area(s) are now operating a separate storm sewer system under Missouri Operating Permit Number (NPDES) MO- \_\_\_\_\_ or  
 b. This is a new permit;

2.00 NAME OF ALL MUNICIPALITIES/AREAS MS4 TO BE INCLUDED (ATTACH ADDITIONAL SHEETS AS NECESSARY)  
 See attached

2.10 ADDRESS (HEADQUARTERS PHYSICAL) STREET CITY STATE ZIP CODE  
 See attached

**3.00 OWNER OF EACH MUNICIPALITY/AREA TO BE INCLUDED (ATTACH ADDITIONAL SHEETS AS NECESSARY)**

NAME	TELEPHONE NUMBER
See attached	
ADDRESS STREET CITY STATE ZIP CODE	

**4.00 COORDINATING AUTHORITY (A SINGLE ENTITY PROVIDING COORDINATION FOR ALL CO-APPLICANTS INCLUDED IN THIS APPLICATION.)**

NAME	TELEPHONE NUMBER
University of Missouri-Columbia	(573) 882-7018
ADDRESS STREET CITY STATE ZIP CODE	
8 Research Park Development Building, Columbia MO 65211	

**4.10 COORDINATING AUTHORITY CONTACT PERSON**

NAME	PHONE
Peter Ashbrook	(573) 882-7018
	FAX
	(573) 882-7940
TITLE	
Director, Environmental Health and Safety	

**5.00 INDIVIDUAL MUNICIPALITY/AREA APPLICANT CONTACT (ATTACH ADDITIONAL SHEETS AS NECESSARY)**

NAME OF MUNICIPALITY/AREA	CONTACT NAME
See attached	
TITLE	PHONE
	FAX

**6.00 FOR EACH KNOWN STORMWATER OUTLET GIVE LEGAL DESCRIPTION (ATTACH ADDITIONAL SHEETS AS NECESSARY)**

Outlet Number \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ Sec \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ County \_\_\_\_\_ See attached  
 Lat \_\_\_\_\_, Long \_\_\_\_\_

**6.10 FOR EACH KNOWN STORMWATER OUTLET LIST THE NAME OF THE RECEIVING WATER**

Outlet Number \_\_\_\_\_ See attached Receiving Water \_\_\_\_\_  
 Outlet Number \_\_\_\_\_ Receiving Water \_\_\_\_\_  
 Outlet Number \_\_\_\_\_ Receiving Water \_\_\_\_\_

**7.00 ATTACH A USGS 1" - 2000' SCALE MAP SHOWING THE LOCATION OF THE MUNICIPALITIES/AREAS IN RELATION TO THE LOCAL ROAD SYSTEM. INDICATE ON MAP THE MUNICIPALITY/AREA BOUNDARIES, THE RECEIVING STREAM(S); THE KNOWN STORMWATER OUTLET(S); AND THE MAP SECTION, TOWNSHIP, AND RANGE.**

8.00 WE CERTIFY THAT WE ARE FAMILIAR WITH THE INFORMATION CONTAINED IN THE APPLICATION, THAT TO THE BEST OF OUR KNOWLEDGE AND BELIEF, SUCH INFORMATION IS TRUE, COMPLETE AND ACCURATE, AND IF GRANTED THIS PERMIT, WE AGREE TO ABIDE BY MISSOURI CLEAN WATER LAW AND ALL RULES, REGULATIONS, ORDERS AND DECISIONS, SUBJECT TO ANY LEGITIMATE APPEAL AVAILABLE TO AN APPLICANT UNDER THE MISSOURI CLEAN WATER LAW OF THE MISSOURI CLEAN WATER COMMISSION AND WE FURTHER CERTIFY THAT THE COORDINATING AUTHORITY NAME ABOVE IS AUTHORIZED TO BE CONTACTED DIRECTLY CONCERNING ANY MATTER RELATED TO OR ASSOCIATED WITH THE PERMIT ISSUED AS A RESULT OF THIS APPLICATION. (ATTACH ADDITIONAL PAGES AS NECESSARY). See 2 maps attached

NAMES AND OFFICIAL TITLES	PHONE NUMBERS
See attached	
SIGNATURES	DATE
See attached	

**INSTRUCTIONS FOR FILLING OUT FORM L - APPLICATION FOR CO-PERMIT  
FOR SMALL MS4 GENERAL PERMIT**

General permit fees shall be submitted with Form L for each municipality/area applying for coverage under this co-permit for general permit for small MS4. Where there are multiple releases from a single municipality/area one (1) application may cover all stormwater outlets.

Form M must also be submitted.

- 1.00 Fill out either Item (a.) or Item (b.) as applicable.
- 2.00 Name of each municipality/area small MS4 to be included in permit - by what name are the municipalities/areas known locally? Examples: Columbia MS4, Fenton MS4, Joplin MS4, State Highway 5 MS4, Federal Records Center MS4, etc.
- 2.10 Give the street address of each municipality/area's headquarters to be included in the permit. If the municipality/area's headquarters lacks a street name our route number, give the most accurate alternate geographic information.
- 3.00 Owner of each municipality/area to be included in permit - legal name and address of owner.
- 4.00 Coordinating authority - a single permanent organization or person (as determined by the co-permittees) which will serve as the coordinating authority for overseeing the requirements and activities included in this permit. The coordinating authority shall be responsible for the administration of the terms of this permit and the coordination of the resolution of any issues occurring regarding this permit's requirements; along with resolving issues related to the responsibilities outlined in the Storm Water Management Program.
- 4.10 Give name of the person or persons at the coordinating authority that can be contacted by the department if necessary.
- 5.00 Municipality/area contacts.
- 6.00 A stormwater outlet is the point(s) at which stormwater is discharged to a receiving stream. This may be the point(s) where stormwater leaves the municipality/area. Outlets locations should be given in terms of the legal description. Sufficient information should be submitted so the stormwater outlet(s) may be located by department staff.
- 6.10 Receiving water(s) - the name of the stream(s) to which stormwater is directed and any subsequent stream until a continuous flowing stream is reached.
- 7.00 A map showing the municipality/area in relation to the local roads and receiving waters. Attach a 1" = 2000' scale USGS topographic map that can be obtained from the MDNR, Division of Geology and Land Survey in Rolla, MO. (573) 368-2125.
- 8.00 Signatures - all applications must be signed as follows and the signatures must be original - for a municipal, state, federal, or other public entity, by either a principal executive officer or by an individual having overall responsibility for environmental matters for the municipality/area.

If there are any questions concerning this form, please contact the Permit Section at (573) 751-6825 or the MDNR regional office serving the municipality/area.

## **Form L – Application for Co-Permittee Small MS4 General Permit Attachment**

### **2.00/2.10 Names/addresses of all municipalities/areas:**

University of Missouri-Columbia  
8 Research Park Development Building  
Columbia, MO 65203

City of Columbia  
701 E. Broadway  
Columbia, MO 65201

Boone County  
801 E. Walnut  
Columbia, MO 65201

### **3.00 Owner of each area**

The Curators of the University of Missouri  
573/882-2707  
225 University Hall  
Columbia, MO 65211

City of Columbia  
573/874-7214  
701 E. Broadway  
Columbia, MO 65201

Boone County  
573/886-4305  
801 E. Walnut  
Columbia, MO 65201

### **5.00 Individual Municipality/Area Applicant Contact**

University of Missouri-Columbia  
Peter Ashbrook  
Director, Environmental Health and Safety  
573/882-7018  
573/882-7940 (fax)

City of Columbia  
Lowell Patterson  
Director, Public Works  
573/874-7250  
573/874-7132 (fax)

Boone County  
David Mink  
Director, Public Works  
573/449-8515  
573/875-1602 (fax)

## 6.00/6.10 Storm water Outlets

### ***University of Missouri-Columbia Outlets (Map 1):***

Note: Storm water at the MU campus flows into either Flat Branch or Hinkson Creek. MU has identified two major outlets for each creek as follows:

#### Receiving Water: Flat Branch

MU FL1 – 8'x6' box culvert located at Elm Street where it crosses Flat Branch Creek.  
NW ¼ of the NE ¼ Section 13, Township 48 North, Range 13 West  
Latitude 38° 56' 53.2"      Longitude 92° 20' 0.5"

MU FL2 – 8'x4' box culvert located on the west side of Providence (Route 163)  
approximately 100' south of Kentucky  
SW ¼ of the SE ¼ Section 13, Township 48 North, Range 13 West.  
Latitude 38° 56' 20.6"      Longitude 92° 20' 3.7"

#### Receiving Water: Hinkson Creek

MU HI1 – 4'x4' box culvert located east of the MU clean fill landfill east of Ashland Road  
SE ¼ of the SW ¼ Section 18, Township 48 North, Range 12 West  
Latitude 38° 56' 8.3"      Longitude 92° 18' 51.4"

MU HI2 – 60" culvert located 200' east of Providence (Route 163) on South Hearn  
Drive  
NE ¼ of the NW ¼ Section 24, Township 48 North, Range 13 West  
Latitude 38° 56' 0.5"      Longitude 92° 20' 8"

### ***City of Columbia Outlets (Map 1):***

#### Receiving Water: Bear Creek

CO BE1 – 7'x6' box culvert located approximately 250' north of Vandiver Drive and  
1,000' west of Highway 763 South.  
SW ¼ of the NE ¼ Section 1, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 58' 17"      Longitude 92<sup>B</sup> 19' 47"

CO BE2 - 7'x6' box culvert located approximately 25' north of Vandiver Drive and 200'  
east of Highway 763 North.  
NE ¼ of the SE ¼ Section 1, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 58' 14"      Longitude 92<sup>B</sup> 19' 38"

CO BE3 - 3'x3' box culvert located approximately 20' north of Texas Avenue and 200'  
east of Jackson Street.  
NE ¼ of the SE ¼ Section 2, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 58' 10"      Longitude 92<sup>B</sup> 20' 44"

#### Receiving Water: Hinkson Creek

CO HI1 - 72" metal culvert located approximately 360' north of Trimble Road and 410'  
west of Brickton Road.  
SE ¼ of the SW ¼ Section 8, Township 48 North, Range 12 West.  
Latitude 38<sup>B</sup> 56' 56"      Longitude 92<sup>B</sup> 17' 50"



CO HI2 - 9'x9.5' box culvert located approximately 100' north of Clark Lane and 230' west of Highway 63 North.  
SW ¼ of the SE ¼ Section 5, Township 48 North, Range 12 West.  
Latitude 38<sup>B</sup> 57' 49"                      Longitude 92<sup>B</sup> 17' 34"

CO HI3 - 48" metal culvert located approximately 170' south of Broadway and 350' west of the Green Valley Road bridge.  
NE ¼ of the NE ¼ Section 18, Township 48 North, Range 12 West.  
Latitude 38<sup>B</sup> 56' 50"                      Longitude 92<sup>B</sup> 18' 28"

Receiving Water: Hominy Branch

CO HO1 - Bridge at eastern terminus of Green Valley Drive approximately 300' west of Highway 63 South.  
SE ¼ of the NW ¼ Section 17, Township 48 North, Range 12 West.  
Latitude 38<sup>B</sup> 56' 35"                      Longitude 92<sup>B</sup> 17' 44"

Receiving Water: Grindstone Creek

CO GR1 - 96" concrete culvert located approximately 60' west of Bluff Creek Drive and 1000' south of Pebble Creek Court.  
SE ¼ of the SW ¼ Section 20, Township 48 North, Range 12 West.  
Latitude 38<sup>B</sup> 55' 18"                      Longitude 92<sup>B</sup> 17' 47"

Receiving Water: Clear Creek

CO CL1 - PC of road on Woodhaven Drive located approximately 1500' east of Bearfield Road and 1700' south of Nifong Boulevard.  
NE ¼ of the NW ¼ Section 32, Township 48 North, Range 12 West.  
Latitude 38<sup>B</sup> 54' 13"                      Longitude 92<sup>B</sup> 17' 54"

Receiving Water: Little Bonne Femme Creek

CO LB1 - Triple 10'x5' box culvert on the east side of Bethel Street between North Cedar Lake Drive and South Cedar Lake Drive.  
SW ¼ of the SW ¼ Section 36, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 53' 45"                      Longitude 92<sup>B</sup> 20' 43"

Receiving Water: Mill Creek

CO MI1 - 12' box culvert on the west side of Bethel Street located approximately 50' north of Granada Boulevard.  
NW ¼ of the SW ¼ Section 25, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 54' 38"                      Longitude 92<sup>B</sup> 20' 41"

CO MI2 - 6' box culvert on the south side of Nifong Boulevard Bethel Street located approximately 100' east of Bethel Street.  
SW ¼ of the SW ¼ Section 25, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 54' 26"                      Longitude 92<sup>B</sup> 20' 16"

Receiving Water: Flat Branch

CO FL1 - Double 7.5'x5' box culvert located approximately 275' south Broadway and 100' east of Providence Road (Route 163).  
SW ¼ of the SE ¼ Section 12, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 57' 01"                      Longitude 92<sup>B</sup> 20' 01"

CO FL2 - 10"x4' box culvert located approximately 250' south Broadway and between East Parkway and West Parkway.  
NW ¼ of the NW ¼ Section 13, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 57' 02"                      Longitude 92<sup>B</sup> 20' 31"

Receiving Water: County House Branch

CO CH1 - 79"x49" metal culvert located approximately 75' east of Spring Valley Road and 750' south Broadway.  
NW ¼ of the NW ¼ Section 14, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 57' 00"                      Longitude 92<sup>B</sup> 25' 46"

Receiving Water: Meredith Branch

CO ME1 - Double 72" metal culvert located on the north side of Gillespie Bridge Road approximately 800' west of Scott Boulevard.  
NE ¼ of the SE ¼ Section 20, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 55' 51"                      Longitude 92<sup>B</sup> 23' 48"

Receiving Water: Harmony Creek

CO HA1 - 8'x12' box culvert located on the south side of West Worley Street approximately 950' west of Stadium Boulevard (Route 740).  
NE ¼ of the SW ¼ Section 10, Township 48 North, Range 13 West.  
Latitude 38<sup>B</sup> 57' 39"                      Longitude 92<sup>B</sup> 22' 30"

Receiving Water: Cow Branch

CO CO1 - East side of Highway 763 North approximately 700' north of Brown School Road.  
SW ¼ of the NW ¼ Section 30, Township 49 North, Range 12 West.  
Latitude 39<sup>B</sup> 00' 08"                      Longitude 92<sup>B</sup> 19' 21"

***Boone County Outlets (Map 2—GIS Map)***

Receiving Water: Gans Creek

BC GC 1 - Bridge located on Rolling Hills Road, approximately 0.20 miles south of Sugar Grove Road.  
NE ¼ of the NW ¼ Section 34, Township 48N Range 12W  
Latitude 38 °- 54'-28"                      Longitude 92°-15'-28"  
USGS Map-Columbia, MO.

Receiving Water: Hart Creek

BC HC 1 - Low Water Crossing on Hart Creek Road, approximately 0.60 mile north of the City of Hartsburg city limit, an access point into Mo. Conservation property.  
SW ¼ of the SE ¼ Section 6, Township 45N Range 12W  
Latitude 38°-42'-23"                      Longitude 92°-18'-15"  
USGS Map-Hartsburg, MO.

Receiving Water: Perche Creek

BC PC 1 - Access Point from the Road off Coats Lane, approximately 0.30 mile south of Gillespie Bridge Road.  
NW ¼ of the NW ¼ Section 29, Township 48N Range 13W  
Latitude 38°-55'-44"                      Longitude 92°-25'-02"  
USGS Map-Huntsdale, MO.

Receiving Water: Rocky Fork Creek

BC RF 1 - Bridge located on O'Neal Road, approximately 300 feet south of Wilcox Road.  
NW ¼ of the NW ¼ Section 34, Township 49N Range 13W  
Latitude 38°-59'-48"                      Longitude 92°-22'-35"  
USGS Map-Huntsdale, MO.

Receiving Water: Little Bonne Femme Creek

BC LB 1 - Bridge located on Woodie Proctor Road, approximately 0.50 mile east of Smith Hatchery Road.  
NW ¼ of the SW ¼ Section 22, Township 47N Range 13W  
Latitude 38°-50'-26"                      Longitude 92°-22'-51"  
USGS Map-Jamestown, MO.

Receiving Water: Cedar Creek

BC CC 1 - Bridge located on Zumwalt Road, located at the Boone/Callaway County line.  
SW ¼ of the NW ¼ Section 6, Township 45N Range 11W  
Latitude 38°-42'-33"                      Longitude 92°-12'-53"  
USGS Map-Jefferson City NW, MO.

Receiving Water: Little Cedar Creek

BC LC 1 - Bridge located on State Route WW, approximately 1.0 mile west of the Callaway County line.  
NE ¼ of the NE ¼ Section 29, Township 48N Range 11W  
Latitude 38°-55'-02"                      Longitude 92°-10'-24"  
USGS Map-Millersburg, MO.

Receiving Water: Moniteau Creek

BC MC 1 - Access Point from Columbia Street, approximately 125 feet north of Rocheport City limit.  
NE ¼ of the SW ¼ Section 1, Township 48N Range 15W  
Latitude 38°-58'-58"                      Longitude 92°-33'-47"  
USGS Map-Rocheport, MO.

Receiving Water: Saling Creek

BC SC 1 - Reinforced Concrete Box Structure located on State Route CC, approximately 200 feet south of Sturgeon City limit.  
SW ¼ of the NE ¼ Section 8, Township 51N Range 12W  
Latitude 39°-13'-25"                      Longitude 92°-19'-52"  
USGS Map-Sturgeon, MO.

Receiving Water: Bonne Femme Creek

BC BF 1 - Bridge located on Andrew Sapp Road, approximately 0.57 mile south of Nashville Church Road.  
NE ¼ of the SE ¼ Section 35, Township 47N Range 13W  
Latitude 38°-48'-43"                      Longitude 92°-20'-52"  
USGS Map-Ashland, MO.

Receiving Water: Hinkson Creek

BCHK 1 - Bridge located on Rogers Road, approximately 0.38 mile south of Heller Road.  
SE ¼ of the SE ¼ Section 15, Township 49N Range 12W  
Latitude 39°-01'-25"                      Longitude 92°-14'-45"  
USGS Map-Hallsville, MO.

## 7.00 USGS Maps

There are two maps attached as follows:

Map 1: A topographic map with a scale 1"=2000' for the City of Columbia and the main campus of the University of Missouri-Columbia. This map indicates boundaries, the local road system, receiving streams, and storm water outlets.

Map 2: This map indicates some of the local roads, receiving streams, and storm water outlets that apply to Boone County.

### 8.0 Names and Official Titles

I certify that I am familiar with the information contained in the application, that to the best of my knowledge and belief, such information is true, complete and accurate, and if granted this permit, I agree to abide by Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to an applicant under the Missouri Clean Water Law of the Missouri Clean Water Commission and I further certify that the coordinating authority named above is authorized to be contacted directly concerning any matter related to or associated with the permit issued as a result of this application.

This certification applies to those responsibilities of the University of Missouri-Columbia. The University cannot accept responsibility for issues that are under the jurisdiction of the City of Columbia or Boone County.

University of Missouri-Columbia:

<u>Jacquelyn K. Jones</u>	<u>Interim Vice Chancellor for Administrative Affairs</u>	<u>573/882-4097</u>
Name	Title	Phone

_____	_____
Signature	Date

**8. Names and Official Titles**

I certify that I am familiar with the information contained in the application, that to the best of my knowledge and belief, such information is true, complete and accurate, and if granted this permit, I agree to abide by Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to an applicant under the Missouri Clean Water Law of the Missouri Clean Water Commission and I further certify that the coordinating authority named above is authorized to be contacted directly concerning any matter related to or associated with the permit issued as a result of this application.

This certification applies to those responsibilities of the City of Columbia. The City cannot accept responsibility for issues that are under the jurisdiction of the University of Missouri-Columbia or Boone County.

City of Columbia:

<u>Raymond A. Beck</u> Name	<u>City Manager</u> Title	<u>573/874-7214</u> Phone
--------------------------------	------------------------------	------------------------------

_____ Signature	_____ Date
--------------------	---------------

B.

**Names and Official Titles**

I certify that I am familiar with the information contained in the application, that to the best of my knowledge and belief, such information is true, complete and accurate, and if granted this permit, I agree to abide by Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to an applicant under the Missouri Clean Water Law of the Missouri Clean Water Commission and I further certify that the coordinating authority named above is authorized to be contacted directly concerning any matter related to or associated with the permit issued as a result of this application.

This certification applies to those responsibilities of Boone County. The County cannot accept responsibility for issues that are under the jurisdiction of the City of Columbia or the University of Missouri-Columbia.

Boone County:

Keith Schnarre  
Name

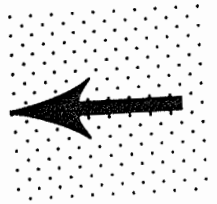
Presiding Commissioner  
Title

573/886-4305  
Phone

*Keith Schnarre*  
Signature

25 February 2003  
Date

COMMISSION ORDER 80-2003





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
WATER POLLUTION CONTROL PROGRAM  
P.O. BOX 176 JEFFERSON, CITY MO 65102

**FORM M — APPLICATION FOR STORM WATER PERMIT (FORM K OR L MUST BE INCLUDED)  
UNDER THE GENERAL PERMIT: SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)**

1. NAME OF MUNICIPALITY/AREA(S) TO BE COVERED BY THIS PERMIT University of Missouri-Columbia/City of Columbia/Boone County
2. PHYSICAL LOCATION OF MUNICIPALITY/AREA(S) (ADDRESS ASSIGNED) See attached
3. TOTAL AREA OF MUNICIPALITY/AREA(S) <u>See attached</u> ACRES OR _____ SQUARE MILES.
4. A STORM WATER MANAGEMENT PROGRAM (SWMP) MUST BE DEVELOPED FOR THIS MUNICIPALITY/AREA. (THIS PROGRAM MUST BE DEVELOPED IN ACCORDANCE WITH REQUIREMENTS & GUIDELINES SPECIFIED WITHIN THE GENERAL PERMIT FOR STORM WATER DISCHARGES FROM MS4 ACTIVITIES. THE APPLICATION WILL BE CONSIDERED INCOMPLETE IF THE SWMP HAS NOT BEEN DEVELOPED IN ACCORDANCE WITH THE TERMS OF THE GENERAL PERMIT. <b>A COPY OF THE SWMP MUST BE SUBMITTED ALONG WITH THIS APPLICATION.</b> )
5. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR PUBLIC EDUCATION AND OUTREACH. (ATTACH ADDITIONAL SHEETS IF NECESSARY) Beginning in 2000, the City and County contracted with MU to address education and outreach. This has resulted in a variety of newspaper articles, a storm water web site, community meetings, and other public education activities. Specific BMPs and measurable goals are presented in the SWMPs for each of the co-permittees.
6. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR PUBLIC INVOLVEMENT AND PARTICIPATION. (ATTACH ADDITIONAL SHEETS IF NECESSARY) Beginning in 2000, the City and County contracted with MU to address public involvement and participation. The primary strategy has involved development of watershed partnerships, which consist of community members. The partnerships have engaged in a variety of special projects such as stream cleanups and drain stenciling. See each SWMP for specific BMPs and measurable goals.
7. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION. (ATTACH ADDITIONAL SHEETS IF NECESSARY) Each of the co-permittees is in the process of mapping the storm sewer system. Each is taking the approach of training their staff to recognize illicit discharges and to take steps to prevent such discharges in the future. City and County ordinances will be passed or amended to allow inspection testing and enforcement of illicit connections. See each SWMP for specific BMPs and measurable goals.
8. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR CONSTRUCTION SITE STORM WATER RUNOFF CONTROL. (ATTACH ADDITIONAL SHEETS IF NECESSARY) Each of the co-permittees has design and construction standards for work they perform or contract for, and a regulatory mechanism to ensure implementation. These provisions address land disturbance activities of one acre or more. See each SWMP for specific BMPs and measurable goals.



9. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR POST CONSTRUCTION STORM WATER MANAGEMENT. (ATTACH ADDITIONAL SHEETS IF NECESSARY)

Each co-permittee has permits for specially regulated activities, such as power plants, and construction in flood plains. Maintenance of post-construction storm water management devices are primarily the responsibility of the co-permittees, but is occasionally a responsibility of the private sector. See each SWMP for specific BMPs and measurable goals.

10. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR POLLUTION PREVENTION AND GOOD HOUSEKEEPING. (ATTACH ADDITIONAL SHEETS IF NECESSARY)

Each co-permittee has or will implement a variety of activities. Special attention is given to hazardous materials, road salt, street sweeping, restaurants, vehicle repair facilities, litter control, and landscaping. See each SWMP for specific BMPs and measurable goals.

11. THE MUNICIPALITY/AREA(S) IS WITHIN 100 FEET OF: (CHECK EACH THAT APPLIES) FOR THOSE IDENTIFIED AS PRESENT, PLEASE IDENTIFY THEIR LOCATION IN AN ATTACHMENT.

- WATER CLASSIFIED IN CSR 20-7.031 WATER QUALITY STANDARD AS A PUBLIC DRINKING WATER SUPPLY LAKE (L1), OUTSTANDING NATIONAL OR STATE RESOURCE WATERS, OR STREAMS DESIGNATED FOR COLD-WATER SPORT FISHERY;
- STREAMS, LAKES, OR RESERVOIRS IDENTIFIED AS CRITICAL HABITAT FOR ENDANGERED SPECIES AS DETERMINED BY THE MISSOURI DEPARTMENT OF CONSERVATION AND/OR THE US FISH AND WILDLIFE SERVICE; OR
- ANY LAKE IN THE US ENVIRONMENTAL PROTECTION AGENCY'S CLEAN LAKES PROGRAM?

12. IS THE DISCHARGE FROM THE MS4 WITHIN 100 FEET OF WATERS CLASSIFIED AS MAJOR RESERVOIRS (L2) OR PERMANENT FLOW STREAMS (P), EXCEPT THE MISSOURI AND MISSISSIPPI RIVERS, OR WITHIN TWO STREAM MILES UPSTREAM OF BIOCRITERIA REFERENCE LOCATIONS AS DEFINED IN 10 CSR 20, CHAPTER 7?

YES  NO

IF YES, PLEASE LIST THESE RECEIVING WATERS IN AN ATTACHMENT.

13. IS ANY PART OF THE AREA(S) DEFINED AS WETLAND?

YES  NO

NOTE: A CLEAN WATER ACT, SECTION 404 PERMIT MAY BE REQUIRED FOR THE DEVELOPMENT IN WETLAND AREA(S) FROM THE US ARMY CORPS OF ENGINEERS.

14. DOES ANY OF THE STORM WATER DISCHARGE TO A SINKHOLE, LOSING STREAM, OR ANY OTHER TOPOGRAPHICAL FEATURE THAT WOULD BE A DIRECT CONDUIT TO GROUND WATER?

YES  NO

IF YES, PLEASE IDENTIFY THE LOCATION(S) OF THESE GEOLOGIC FEATURES IN AN ATTACHMENT.

15. I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS APPLICATION, THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, SUCH INFORMATION IS TRUE, COMPLETE AND ACCURATE, AND IF GRANTED THIS PERMIT, I AGREE TO ABIDE BY MISSOURI CLEAN WATER LAW AND ALL RULES, REGULATIONS, ORDERS AND DECISIONS, SUBJECT TO ANY LEGITIMATE APPEAL AVAILABLE TO AN APPLICANT UNDER THE MISSOURI CLEAN WATER LAW OF THE MISSOURI CLEAN WATER COMMISSION (ATTACH ADDITIONAL PAGES IF ADDITIONAL SIGNATURES ARE REQUIRED FOR A CO-PERMIT).

NAME(S) AND OFFICIAL TITLE(S)

See attached

TELEPHONE NUMBER(S)

SIGNATURE(S)

See attached

DATE SIGNED

## **Form M – Application for Storm Water Permit Under the General Permit: Small Municipal Separate Storm Sewer System (MS4) Attachments**

### **2. Physical Location of Municipality/Area(s) (Address Assigned)**

The area consists of Boone County in its entirety with the following exceptions:

- A. The Municipalities of Ashland, Centralia, Hallsville, Harrisburg, Hartsburg, McBaine, Rocheport, Sturgeon
- B. State and federal lands for which none of the parties has jurisdiction. Examples include Rock Bridge State Park, Finger Lakes State Park, and Mark Twain National Forest

### **3. Total Area of Municipality/Area(s)**

The total area covered by this permit application is 657.61 square miles as follows:

University of Missouri-Columbia: 11.82 square miles, of which 4.55 square miles are inside Columbia City limits

City of Columbia: 50.65 square miles, exclusive of the Columbia campus of the University of Missouri

Boone County: 595.14 square miles, exclusive of Columbia City property, University of Missouri-Columbia property, the property of 8 municipalities, and state and federal holdings.

### **4. Storm Water Management Programs**

Storm water management programs are attached as separate documents: one each from the University of Missouri-Columbia, City of Columbia, and Boone County.

## 11. Areas within 100 feet of specially classified waters

The following waters in the application area are classified as outstanding state resource waters (from 10 CSR 20-7 Table E):

<u>Water body</u>	<u>Length</u>	<u>Location</u>
Bass Creek	1 mile	in Three Creeks Conservation Area
Bonne Femme Creek	2 miles	Three Creeks Conservation Area
Devils Ice Box Cave Branch	1.5 miles	Rock Bridge State Park
Gan's Creek	3 miles	Rock Bridge State Park
Turkey Creek	4.6 miles	in Three Creeks Conservation Area

There are no public drinking water supply lakes (L1); outstanding national resource waters; streams designated for cold-water sport fishery; streams, lakes, or reservoirs identified as critical habitat for endangered species; or lakes in the EPA Clean Lakes Program in the application area.

## 12. Discharges to Permanent Flow Streams

The following are permanent flow streams (P) in Boone County (from Barbara Ruppel, DNR 12/18/02):

Cedar Creek  
Bonne Femme Creek  
Moniteau Creek  
Little Bonne Femme Creek  
Perche Creek  
Hinkson Creek  
Sugar Branch

## 14. Discharges to sinkhole, losing stream, or any other topographical feature that would be a direct conduit to ground water

### ***Karst areas:***

(from Bill Florea, Boone County)

Pierpont area:

- Section 7 Township 47 North Range 12 West: the South Half of Section 7.
- Section 8 Township 47 North Range 12 West: the South Half
- Section 17 Township 47 North Range 12 West: Northwest Quarter and the North Half of the Northeast Quarter.
- Section 18 Township 47 North Range 12 West: North half of the Northwest Quarter and the Northeast Quarter.
- Section 21 Township 47 North Range 12 West: the East half
- Section 28 Township 47 North Range 12 West: the West Half of the Southwest Quarter
- Section 29 Township 47 North Range 12 West: the Southeast Quarter, the South Half of the Northeast Quarter and the East Half of the Southwest Quarter.
- Section 12 Township 47 North Range 13 West: the East Half of the Southeast Quarter

Rocheport and Huntsdale Area;

- Section 7 Township 48 North Range 14 West: the Northeast Quarter and the Northwest Quarter.
- Section 8 Township 48 North Range 14 West: the Southwest Quarter and the Southeast Quarter.
- Section 9 Township 48 North Range 14 West: the South Half.
- Section 15 Township 48 North Range 14 West: the West Half.
- Section 16 Township 48 North Range 14 West: the entire section.
- Section 17 Township 48 North Range 14 West: the East Half and the East Half of the Northwest Quarter.
- Section 21 Township 48 North Range 14 West: the North Half.
- Section 22 Township 48 North Range 14 West: the Northwest Quarter.

Midway Area;

- Section 2 Township 48 North Range 14 West: the West Half of the Northeast Quarter and the East Half of the Northwest Quarter.
- Section 19 Township 49 North Range 13 West: the Southeast Quarter.
- Section 20 Township 49 North Range 13 West: the South Half.
- Section 29 Township 49 North Range 13 West: the North Half.
- Section 30 Township 49 North Range 13 West: the Northeast Quarter.
- Section 26 Township 49 North Range 14 West: the entire section.
- Section 35 Township 49 North Range 14 West: the East Half.

***Losing streams:***

(from 10 CSR 20-7 Table J)

		<b>From</b>				<b>To</b>							
Trib. To Clear Creek	1 mile	SE	SW	SW	31	48N	25W	SW	SE	SW	30	48N	12W
Trib. To Gans Creek	1 mile	SE	SW	NE	06	47N	12W	NE	NE	NW	07	47N	12W

### 15. Certifications

I certify that I am familiar with the information contained in this application, that to the best of my knowledge and belief, such information is true, complete and accurate, and if granted this permit, I agree to abide by Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to an applicant under the Missouri Clean Water Law of the Missouri Clean Water Commission.

This certification applies to those responsibilities of the University of Missouri-Columbia. The University cannot accept responsibility for issues that are under the jurisdiction of the City of Columbia or Boone County.

University of Missouri-Columbia:

<u>Jacquelyn K. Jones</u>	<u>Interim Vice Chancellor for Administrative Affairs</u>	<u>573/882-4097</u>
Name	Title	Phone

_____	_____
Signature	Date

**15. Certifications**

I certify that I am familiar with the information contained in this application, that to the best of my knowledge and belief, such information is true, complete and accurate, and if granted this permit, I agree to abide by Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to an applicant under the Missouri Clean Water Law of the Missouri Clean Water Commission.

This certification applies to those responsibilities of the City of Columbia. The City cannot accept responsibility for issues that are under the jurisdiction of the University of Missouri-Columbia or Boone County.

City of Columbia:

<u>Raymond A. Beck</u> Name	<u>City Manager</u> Title	<u>573/874-7214</u> Phone
--------------------------------	------------------------------	------------------------------

_____ Signature	_____ Date
--------------------	---------------

**15. Certifications**

I certify that I am familiar with the information contained in this application, that to the best of my knowledge and belief, such information is true, complete and accurate, and if granted this permit, I agree to abide by Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to an applicant under the Missouri Clean Water Law of the Missouri Clean Water Commission.

This certification applies to those responsibilities of Boone County. The County cannot accept responsibility for issues that are under the jurisdiction of the City of Columbia or the University of Missouri-Columbia.

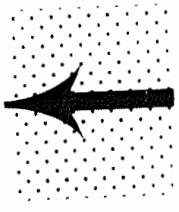
Boone County:

Keith Schnarre  
Name

Presiding Commissioner  
Title

573/886-4305  
Phone

Keith Schnarre 25 February 2003  
Signature Date  
COMMISSION ORDER 80-2003



# CERTIFIED COPY OF ORDER

STATE OF MISSOURI }  
County of Boone } ea.

February Session of the February Adjourned

Term. 20 03

In the County Commission of said county, on the 25<sup>th</sup> day of February 20 03

the following, among other proceedings, were had, viz:

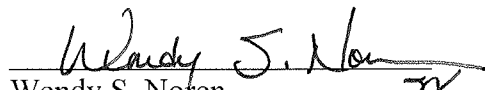
Now on this day, the County Commission of the County of Boone does hereby approve the contract with the City of Columbia for Health Department Services.

Done this 25<sup>th</sup> day of February, 2003.

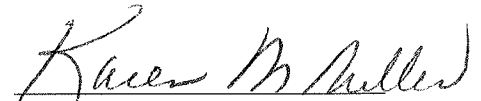


Keith Schnarre  
Presiding Commissioner

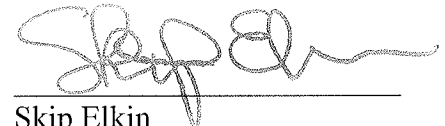
ATTEST:



Wendy S. Noren  
Clerk of the County Commission



Karen M. Miller  
District I Commissioner



Skip Elkin  
District II Commissioner



THIS AGREEMENT, made and entered into this 25 day of February, 2003, by and between the City of Columbia, Missouri, a municipal corporation, hereinafter called the "City" and Boone County, Missouri, hereinafter called the "County,"

## WITNESSTH

WHEREAS, the City and County are empowered in Article VI, Section 16 of the Missouri Constitution, and Section 70.220, RSMo, respectively, to enter into certain cooperative agreements; and

WHEREAS, it is deemed by the parties hereto to be mutually advantageous to the parties to provide public health services for the citizens of Columbia and Boone County during calendar year 2003. Health Department services will be equally available to Boone County residents both in and outside the corporate limits of the City.

NOW THEREFORE, in consideration of the mutual covenants herein contained, it is hereby agreed by and between the parties hereto as follows:

## I.

For the agreed upon amount specified in Article X, the City agrees to provide public health services to County residents. Said services shall include but are not limited to: home visitation, blood pressure and TB screening, communicable disease control, children's and adult immunizations, family planning, STD/HIV prevention and control, health education and preventative health care will be offered at such places and times determined by the Director of Health Services.

## II.

For the agreed upon amount specified in Article X, the City will provide social services to county residents. Said services shall include but are not limited to: pregnancy counseling and case management, eligibility, and referrals.

## III.

For the agreed upon amount specified in Article X, the City will provide Women, Infants & Children (W.I.C.) nutritional supplemental food program services for persons meeting state and federal eligibility guidelines.

## IV.

For the agreed upon amount specified in Article X, the City agrees to provide monthly screening clinics in each incorporated municipality in Boone County provided, however, that such clinics are authorized by the mayor of each municipality. Additional clinics in other locations may be recommended by the Health Director with authorization from the Boone County Commission.

## V.

For the agreed upon amount specified in Article X, the City agrees to provide one environmental health specialist to provide services outside the City of Columbia. Services shall include, but not be limited to, routine food service inspection, investigation of environmental health hazards such as unsafe water supplies, improper sewage disposal, promiscuous dumping, and hazardous materials. Additionally, this person will enforce the Boone County Public Nuisance Ordinance enacted in 2000.

VI.

For the agreed upon amount specified in Article X, the City agrees to provide one environmental health specialist and 0.5 clerical to be dedicated to activities related to the County onsite wastewater ordinance.

VII.

For the agreed upon amount specified in Article X, the City agrees to administer utility assistance services to eligible Boone County residents, not to exceed the amount specified. Said services will consist of payments to utility providers for the purpose of reconnecting utility service, payment of utility bills to avoid disconnection and referral for weatherization. Said service will be provided to eligible persons according to need as determined by the City/County Director of Health Services. The entire amount indicated in Article XIII will be utilized for payments to utilities without deduction for administrative costs.

VIII.

For the agreed upon amount specified in Article X, the City will administer the dental assistance program to eligible indigent County residents for emergency care and/or relief of pain, limited to the amount of \$350 per client and not to exceed the amount specified. This service includes medical supervision of dental infection.

IX.

The City hereby agrees that the City/County Director of Health Services shall provide the County Commission with recommendations concerning additional or revised public health services and shall be available at reasonable times to consult with County officials as the County officials deem necessary.

X.

Agreed Upon Amounts	Program Cost <sup>1</sup>
Community Services	\$18,000
Clinic & Nursing	\$416,885
Environmental Health	\$66,399
On-Site Sewage <sup>2</sup>	\$97,627
Administration	\$37,951
Social Services	\$87,055
W.I.C.	\$54,453
<b>TOTAL</b>	<b>\$778,370</b>
<sup>1</sup> Program Cost equals total cost of services less applicable revenues. <sup>2</sup> On-Site sewage revenues are deposited directly with Boone County.	

The parties agree that the City will bill the County on a quarterly basis for one-fourth of the total contract amount. By March 1, 2004, a final report will be prepared and will include appropriate accounting documentation for reconciliation purposes. A statistical report of services rendered by the City to the County will accompany each quarterly report. The County will not be obligated to render payment until such statistical report is received.

THE CITY OF COLUMBIA, MISSOURI

BY: Raymond A. Beck  
Raymond A. Beck, City Manager

ATTEST:

Penny St. Romaine  
Penny St. Romaine, City Clerk

APPROVED AS TO FORM:

Fred Boeckmann  
Fred Boeckmann, City Counselor

BOONE COUNTY, MISSOURI

BY: Keith Schnarre  
Keith Schnarre, Presiding Commissioner

BY: Karen B. Miller  
Karen Miller, District I Commissioner

BY: Skip Elkin  
Skip Elkin, District II Commissioner

ATTEST:

Wendy J. Noren  
Wendy Noren, County Clerk

APPROVED AS TO FORM:

John Patton  
John Patton, County Counselor

Certification:

I certify that this contract is within the purpose of the appropriation to which it is to be charged and that there is an unencumbered balance of such appropriation sufficient to pay the costs arising from this contract.

Jane Pitchford by KJ 2/18/03  
Boone County Auditor Date

k:\2003 County Budget\Boone County contract public health

Reconciliation of Contract with City of Columbia to Boone County Budget  
 For Boone County Fiscal Year 2003  
 Prepared by Auditor's Office 2/18/2003

<u>Description</u>	<u>\$Amount</u>	<u>\$Total</u>	<u>Dept/Account</u>
Community Services			
Dental Assistance	8,000		1410-86640
Rent/Utility Assistance (HIV/AIDS)	0		1410-86648
Utility Assistance	<u>10,000</u>		1410-86655
		18,000	
Personal Health Services			
Clinic & Nursing		416,885	1410-86680
Environmental Health Services		66,099	1410-86680
On-Site Sewage Program		97,627	1740-86606
Administration		37,951	1410-86680
Social Services		87,055	1410-86680
W.I.C.		54,453	1410-86680
Larvicide for control of West Nile Virus		<u>300</u>	1410-86680
Total		<u><u>\$778,370</u></u>	

02/11/03

# PURCHASE REQUISITION BOONE COUNTY, MISSOURI

RECEIVED  
FEB 11 2003  
page 1 of 2

DATE

5638

City of Columbia/Finance dept/Accounting Division

VENDOR NO.

VENDOR NAME

PHONE #

P.O. Box 6912  
ADDRESS

Columbia  
CITY

MO 65205  
STATE ZIP

81-2003

### BID DOCUMENTATION

This field **MUST** be completed to demonstrate compliance with statutory bidding requirements.  
Refer to RSMo 50.660, 50.753-50.790, and the Purchasing Manual—Section 3

- Bid /RFP (enter # below)
- Sole Source (enter # below)
- Emergency Procurement (enter # below)
- Written Quotas (3) attached (>\$750 to \$4,449)
- <\$750 No Bids Required (enter bid # below if you are purchasing from a bid, even if this purchase is <\$750)
- Professional Services (see Purchasing Policy Section 3-103)

- Transaction Not Subject To Bidding For The Following Reason:
- Utility
  - Travel
  - Dues
  - Refund
  - Cooperative Agreement
  - Other (Explain):
  - Training
  - Pub/Subscriptions
  - Required Gov Payment
  - Agency Fund Distribution

#  
(Enter Applicable Bid / Sole Source / Emergency Number)

Ship To Department #

Bill To Department #

Department				Account					Item Description	Qty	Unit Price	Amount
1	4	1	0	8	6	6	5	5	1 <sup>st</sup> Quarter Payment			2500
									Energy Assistance Program			
									2 <sup>nd</sup> Quarterly Payment			2500
									Energy Assistance Program			
									3 <sup>rd</sup> Quarterly Payment			2500
									Energy Assistance Program			
									4 <sup>th</sup> Quarterly Payment ( Energy Assit Program)			2500
									TOTAL			10000.00
1	4	1	0	8	6	6	4	0	1 <sup>st</sup> Quarter Payment			
									Dental Assistance			2000.00
									2 <sup>nd</sup> Quarterly Payment			
									Dental Assistance			2000.00
									3 <sup>rd</sup> Quarterly Payment			
									Dental Assistance			2000.00
									4 <sup>th</sup> Quarterly Payment (Dental Assit)			2000.00
									TOTAL			8000.00

I certify that the goods, services or charges specified above are necessary for the use of this department, are solely for the benefit of the county, and have been procured in accordance with statutory bidding requirements.

page 1 of 2

*Cathy D Richards*  
Requesting Official

CLERK'S OFFICE

\*DO NOT UNSTAPLE THESE PAGES

Auditor Approval

\*THE ONLY ACTION NEEDED IS TO WRITE THE  
COMM ORDER # ON THE FORM AND RETURN TO  
AUDITOR'S OFFICE.

Revised 04/02

02.14.03

# PURCHASE REQUISITION BOONE COUNTY, MISSOURI

page 2 of 2

DATE

5638

City of Columbia/Finance Department

VENDOR NO.

VENDOR NAME

PHONE #

ADDRESS

Columbia CITY

MO STATE 652011 ZIP

### BID DOCUMENTATION

This field **MUST** be completed to demonstrate compliance with statutory bidding requirements. Refer to RSMo 50.660, 50.753-50.790, and the Purchasing Manual—Section 3.

- Bid /RFP (enter # below)
- Sole Source (enter # below)
- Emergency Procurement (enter # below)
- Written Quotes (3) attached (>\$750 to \$4,449)
- <\$750 No Bids Required (enter bid # below if you are purchasing from a bid, even if this purchase is <\$750)
- Professional Services (see Purchasing Policy Section 3-103)

- Transaction Not Subject To Bidding For The Following Reason:
- Utility
  - Travel
  - Dues
  - Refund
  - Cooperative Agreement
  - Other (Explain):
  - Training
  - Pub/Subscriptions
  - Required Gov Payment
  - Agency Fund Distribution

#  
(Enter Applicable Bid / Sole Source / Emergency Number)

Ship To Department #

Bill To Department #

Department				Account				Item Description	Qty	Unit Price	Amount	
1	4	1	0	8	6	6	8	0	1 <sup>st</sup> Contract payment Community Health			\$165,685.75
									2 <sup>nd</sup> Contract payment Community Health			165,685.75
									3 <sup>rd</sup> Contract payment Community Health			165,685.75
									4 <sup>th</sup> Contract payment Community Health			165,685.75
									Total			\$662,743.00
1	7	4	0	8	6	6	0	6	1 <sup>st</sup> Contract Payment On-Site Sewage			\$2440675
									2 <sup>nd</sup> Contract Payment On-Site Sewage			2440675
									3 <sup>rd</sup> Contract Payment On-Site Sewage			2440675
									4 <sup>th</sup> Contract Payment On-Site Sewage			2440675
									Total			\$97627.00
									PO Total (\$10,000 + \$8,000 + \$662,743 + \$97,627) =			778,370

I certify that the goods, services or charges specified above are necessary for the use of this department, are solely for the benefit of county, and have been procured in accordance with statutory bidding requirements.

*Cathy D Richards*  
Requesting Official

Auditor Approval

page 2 of 2  
*AS*

**CERTIFIED COPY OF ORDER**

STATE OF MISSOURI }  
 County of Boone } ea.

February Session of the February Adjourned

Term. 20 03

In the County Commission of said county, on the

25<sup>th</sup> day of February 20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby accept the Boone County Auditor's Report of Obsolete and Unlocated Fixed Assets from the 2002 Physical Inventory and authorize the removal of the listed items from the Boone County Inventory List. It is further ordered that the Presiding Commissioner be hereby authorized to sign the disposal request forms.

Done this 25<sup>th</sup> day of February, 2003.

ATTEST:

Wendy S. Noren  
 Wendy S. Noren  
 Clerk of the County Commission

Keith Schnarre  
 Keith Schnarre  
 Presiding Commissioner

Karen M. Miller  
 Karen M. Miller  
 District I Commissioner

Skip Elkin  
 Skip Elkin  
 District II Commissioner

## Fixed Assets - 2002 Physical Inventory

82-2003

Tag	Description	Amount	Purchase Date	Dept	Reason for Disposal	Group	Funding Source
6224	terminal	444.90	10/21/88	1210	not found during physical inventory	1603	2731
6329	monitor	166.55	3/20/98	1210	not found during physical inventory	1603	2731
6669	C386 computer	1,245.00	8/24/90	1210	not found during physical inventory	1603	2731
7686	Court Information Software	42,030.00	5/1/90	1210	no longer used by Court	1603	2731
7689	Network Operating System	2,143.00	5/30/90	1210	no longer used by Court	1603	2731
7691	tape drive unit	350.00	5/3/90	1210	not found during physical inventory	1603	2731
7731	Network Operating System	7,183.00	9/18/90	1210	no longer used by Court	1603	2731
7770	Word Perfect for Vax	2,232.95	6/9/92	1210	no longer used by Court	1603	2731
7783	PC to Vax Connectivity Software	497.50	10/1/92	1210	no longer used by Court	1603	2731
7842	personal computer	1,400.00	5/5/93	1210	not found during physical inventory	1603	2731
7848	personal computer	1,400.00	5/5/93	1210	not found during physical inventory	1603	2731
8041	14.4 fax/data modem	155.37	1/25/94	1210	not found during physical inventory	1603	2731
8042	14.4 fax/data modem	155.37	1/25/94	1210	not found during physical inventory	1603	2731
8695	E-Mail	2,976.10	6/8/94	1210	no longer used by Court	1603	2731
8766	28.8 modem	286.59	10/31/94	1210	not found during physical inventory	1603	2782
8791	scsi-2 card	301.66	10/6/94	1210	not found during physical inventory	1603	2731
8969	ethernet hub	324.71	1/1/95	1210	not found during physical inventory	1603	2782
9305	28.8 modem	207.00	6/5/95	1210	not found during physical inventory	1603	2731
10514	drive by portable monitor	1,805.75	2/22/96	1210	not found during physical inventory	1604	2731
10607	barcode reader	168.00	4/18/96	1210	not found during physical inventory	1604	2731
10649	ethernet hub	241.00	5/23/96	1210	not found during physical inventory	1603	2731
10709	PC to Vax Connect	1,500.00	6/20/96	1210	no longer used by Court	1603	2731
11282	personal computer	1,626.00	12/31/97	1210	not found during physical inventory	1603	2731
11606	personal computer	1,489.00	6/4/98	1210	not found during physical inventory	1603	2731
11633	personal computer	1,424.00	6/4/98	1210	not found during physical inventory	1603	2731

**Total**      **71,753.45**

**Circuit Court Computer Equipment**

2061	table	150.00	11/23/83	1210	not found during physical inventory	1602	2731
2068	chair	50.00	11/23/83	1210	not found during physical inventory	1602	2731
2199	table	150.00	10/4/83	1210	not found during physical inventory	1602	2731
2207	chair	50.00	10/4/83	1210	not found during physical inventory	1602	2731
2232	chair	92.50	10/5/83	1210	not found during physical inventory	1602	2731
2233	chair	92.50	10/5/83	1210	not found during physical inventory	1602	2731
2411	bookcase	87.00	10/6/83	1210	not found during physical inventory	1602	2731
3692	table	151.20	12/28/83	1210	not found during physical inventory	1602	2731
4135	dictating unit	132.73	3/21/84	1210	not found during physical inventory	1601	2731
4167	vcr	800.00	3/21/84	1210	not found during physical inventory	1604	2745
4429	desk	471.00	9/14/84	1210	not found during physical inventory	1602	2731
4867	chair	53.00	9/4/85	1210	not found during physical inventory	1602	2731
4868	chair	53.00	9/4/85	1210	not found during physical inventory	1602	2731
4870	chair	53.00	9/4/85	1210	not found during physical inventory	1602	2731
4874	chair	53.00	9/4/85	1210	not found during physical inventory	1602	2731
4876	chair	53.00	9/4/85	1210	not found during physical inventory	1602	2731



## Fixed Assets - 2002 Physical Inventory

Tag	Description	Amount	Purchase Date	Dept	Reason for Disposal	Group	Funding Source
4879	chair	53.00	9/4/85	1210	not found during physical inventory	1602	2731
4917	file	50.30	1/21/86	1210	not found during physical inventory	1602	2731
5185	metal detector	176.24	7/16/86	1210	not found during physical inventory	1604	2731
6211	chair	88.84	9/13/88	1210	not found during physical inventory	1602	2731
8217	camera	473.52	4/30/94	1210	not found during physical inventory	1604	2731
8218	camera	473.52	4/30/94	1210	not found during physical inventory	1604	2731
8219	camera	473.52	4/30/94	1210	not found during physical inventory	1604	2731
8220	camera	473.52	4/30/94	1210	not found during physical inventory	1604	2731
8221	camera	473.52	4/30/94	1210	not found during physical inventory	1604	2731
8580	court reporter system	6,344.00	4/8/94	1210	traded in on real time reporting software	1601	2731
<b>Total</b>		<b>11,571.91</b>			<b>Circuit Court Furniture, Equipment</b>		
1920	chair	99.29	11/15/83	1241	not found during physical inventory	1602	2731
2480	desk	250.00	11/4/83	1241	not found during physical inventory	1602	2731
5632	chair	93.00	9/23/87	1241	not found during physical inventory	1602	2731
6578	tape cassette deck	150.80	6/21/90	1241	not found during physical inventory	1604	2731
<b>Total</b>		<b>593.09</b>			<b>Juvenile Office Furniture, Equipment</b>		
1795	calculator	60.00	10/11/83	1221	not found during physical inventory	1601	2731
1829	calculator	141.50	10/11/83	1221	not found during physical inventory	1601	2731
1842	typewriter	810.00	11/14/83	1221	not found during physical inventory	1601	2731
1923	wall drawer files	100.00	11/15/83	1221	not found during physical inventory	1602	2731
1929	file cabinet	120.00	11/15/83	1221	not found during physical inventory	1602	2731
1930	file cabinet	120.00	11/15/83	1221	not found during physical inventory	1602	2731
2168	secretary's desk	108.00	10/4/83	1221	not found during physical inventory	1602	2731
3120	desk	80.00	11/28/83	1221	not found during physical inventory	1602	2731
3296	bookcase	50.00	11/22/83	1221	not found during physical inventory	1602	2731
4591	file cabinet	108.72	5/22/85	1221	not found during physical inventory	1602	2731
4861	copier	3,660.00	8/16/85	1221	not found during physical inventory	1601	2731
5010	accoustical cover	139.00	2/6/86	1221	not found during physical inventory	1602	2731
5732	calculator	127.20	12/22/87	1221	not found during physical inventory	1601	2731
5738	desk	130.00	12/22/87	1221	not found during physical inventory	1602	2731
8262	desk	591.00	10/15/92	1221	not found during physical inventory	1602	2782
8900	credenza	79.99	12/30/94	1221	not found during physical inventory	1602	2731
10214	chair	194.00	6/30/95	1221	not found during physical inventory	1602	2782
10256	chair	194.00	6/30/95	1221	not found during physical inventory	1602	2782
10240	chair	194.00	6/30/95	1221	not found during physical inventory	1602	2782
10315	chair	99.99	10/19/95	1221	not found during physical inventory	1602	2731
10497	typewriter	399.00	3/14/96	1221	not found during physical inventory	1601	2731
11360	file cabinet	219.45	2/11/98	1221	not found during physical inventory	1602	2731
<b>Total</b>		<b>7,725.85</b>			<b>Circuit Clerk Furniture, Equipment</b>		

2/25/03

## Fixed Assets 2002 Physical Inventory

Tag	Description	Amount	Purchase Date	Dept	Reason for Disposal	Group	Funding Source
3193	file	100.00	11/9/83	1242	not found during physical inventory	1602	2731
10416	chair	230.00	12/31/95	1242	not found during physical inventory	1602	2731
12234	chair	85.80	2/17/00	1242	not found during physical inventory	1602	2731
<b>Total</b>		<b>415.80</b>		<b>Juvenile Justice Center Furniture, Equipment</b>			
34	bookshelf	98.00	11/4/83	6100	not found during physical inventory	1602	2742
244	8 drawer cabinet	200.00	11/30/83	6100	not found during physical inventory	1602	2731
271	credenza	200.00	9/13/83	6100	not found during physical inventory	1602	2731
3709	file	695.05	12/28/83	6100	not found during physical inventory	1602	2731
4197	portable metal building	560.00	4/26/84	6100	not found during physical inventory	1606	2742
4692	law mower	399.00	7/3/85	6100	not found during physical inventory	1604	2742
6301	ladder	126.00	1/24/89	6100	not found during physical inventory	1604	2731
7500	radio	513.00	12/9/92	6100	not found during physical inventory	1604	2731
8807	metal desk	50.00	11/16/94	6100	not found during physical inventory	1602	2731
8897	two-way radio base station	702.03	12/21/94	6100	not found during physical inventory	1604	2731
8946	cc:mail desktop	65.00	3/16/95	6100	no longer in use per Carlow in IT	1603	2784
8947	cc: mail workgroup lic 10 user	336.00	3/16/95	6100	no longer in use per Carlow in IT	1603	2784
8949	10 user Novell netware v4.1	1,425.00	3/12/95	6100	no longer in use per Carlow in IT	1603	2784
11689	table truck	208.50	7/30/98	6100	not found during physical inventory	1604	2784
11842	refrigerator	176.30	4/22/99	6100	not found during physical inventory	1604	2784
<b>Total</b>		<b>5,753.88</b>		<b>Facilities Maintenance Furniture, Equipment</b>			
<b>Grand Total</b>		<b>97,813.98</b>					

Court Computer Equipment (disposal forms received in Auditor's office but equipment not included in 2002 computer equipment disposal authorized by CO 195-2002, not located in surplus area on 3rd Fl of Govt Ctr on 8/15/02, or found during computer physical inventory taken 2/10-14/03).

Tag	Description	SN	Amount	Purchase Date	Group	Funding Source
5820	HPIII Laser Printer	2743J29122	2,080.00	6/3/88	1603	2731
6729	Line Printer	71495	3,699.00	9/18/90	1603	2731
7085	HPIII Laser Printer	3044J97612	1,600.00	6/25/91	1603	2731
7322	HPIII Laser Printer	3140A63967	1,654.00	3/25/92	1603	2731
8078	PC	A402HGN70436	1,584.96	3/22/94	1603	2731
8079	PC	A402HGN70446	1,584.96	3/22/94	1603	2731
8084	PC	A402HGN70455	1,451.65	3/22/94	1603	2731
8085	PC	A402HGN70468	1,584.96	3/23/94	1603	2731
8086	PC	A402HGN70474	1,584.96	3/23/94	1603	2731
8087	PC	A402HGN70477	1,584.96	3/23/94	1603	2731
8088	PC	A402HGN70478	1,584.96	3/23/94	1603	2731
8090	PC	A402HGN70480	1,584.96	3/23/94	1603	2731
8772	PC	G438HKD90208	1,893.00	10/31/94	1603	2782
9263	PC	A508HKA5E098	1,938.00	4/21/95	1603	2731
9597	Receipt Printer	108A1276901	225.00	7/5/95	1603	2731
9598	Receipt Printer	012A1204612	225.00	7/5/95	1603	2731
10487	PC	A602HC2E660	2,189.00	3/14/96	1603	2731
10488	PC	A602HTC2F495	2,189.00	3/14/96	1603	2731
10638	PC	A602HTC2F772	2,189.00	5/23/96	1603	2731
10640	PC	A602HTC2F783	2,189.00	5/23/96	1603	2731
10641	PC	A602HTC2F527	2,189.00	5/23/96	1603	2731
10642	PC	A602HTC2F781	2,189.00	5/23/96	1603	2731
10643	PC	A602HTC2F070	2,189.00	5/23/96	1603	2731
10644	PC	A602HTC2F526	2,189.00	5/23/96	1603	2731
10645	PC	A602HTC2E894	2,189.00	5/23/96	1603	2731
10646	PC	A602HTC2F579	2,189.00	5/23/96	1603	2731
10647	PC	A602HTC2F570	2,189.00	5/23/96	1603	2731
10918	PC	6647HVVU5P604	2,436.00	2/25/97	1603	2731
10919	PC	6647HVVU5P773	2,436.00	2/25/97	1603	2731
10921	PC	6647HVT3Y710	1,830.00	2/25/97	1603	2731
10922	PC	6647HVT3Y270	1,830.00	2/25/97	1603	2731
10925	PC	6647HVT3X917	1,830.00	2/27/97	1603	2731
10926	PC	6647HVT3Y360	1,830.00	2/25/97	1603	2731
10927	PC	6647HVT3Y180	1,830.00	2/25/97	1603	2731
10928	PC	6647HVT3Y452	1,830.00	2/25/97	1603	2731
10930	PC	6647HVT3Y338	1,830.00	2/25/97	1603	2731
<b>Total</b>			<b>67,621.37</b>			

Note: The following list of computer equipment which was authorized for disposal by CO 195-2002 was found during the physical inventory taken 2/10-14/03. PCs 11605, 11636, 11643, 11634, 11618, 6766 - Monitors 8926, 8745, 8634