

CERTIFIED COPY OF ORDER



STATE OF MISSOURI }
County of Boone } ea.

July Session of the May Adjourned

Term. 20 02

In the County Commission of said county, on the

23rd day of July 20 02

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

Now on this day, the County Commission of the County of Boone does hereby award bid 47-25JUN02 for Chip and Seal Application to Clever Stone Company. It is further ordered that the Presiding Commissioner be hereby authorized to sign said contracts.

Done this 23rd day of July, 2002.

Don Stamper
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, 2nd Flr
Columbia, MO 65201
(573) 886-4392

MEMORANDUM

TO: Boone County Commission
FROM: Marlene Ridgway *MR*
RE: 47-25JUN02 – Chip and Seal Application
DATE: July 15, 2002

The Public Works department and I have reviewed the responses received and recommend awarding to Clever Stone Company for having the lowest and best bid meeting our minimum specifications. Total contract value is \$60,210.60 to be paid from organization 2040 account 71100.

The bid tabulation is attached for your reference.

Bid Tabulation

47-25JUN02-Chip and Seal

4.7. Pricing

	EST. Square Yds. <i>(Including both applications)</i>	Christensen Constru- tion Co.	Vance Bros	Frech Paving	Clever Stone Co.
Road Location <i>(See Attached Locations Maps)</i>					
4.7.1. Walnut Grove Lane	5,782				
4.7.2. Lake Capri Subdivision	47,754				
4.7.3. Gilpin Road	4,888				
4.7.4. Sing Drive	10,842				
4.7.5. Oakland Church Road	1,570				
Total Square Yds. Of all Locations	70,836				
4.7.6. Cost Per Square Yard:		\$ 1.18	\$ 0.90	\$ 1.44	\$ 0.85
4.8. Cost for Total Square Yards for all Locations		\$ 83,586.48	\$ 63,752.40	\$ 102,003.84	\$ 60,210.60
4.9. Prompt Payment Discount		.4% Net 10 Days	0	0	N/A
Addendum One		No	yes	Yes	No

**PURCHASE AGREEMENT
FOR
CHIP AND SEAL APPLICATION**

THIS AGREEMENT dated the 23rd day of July 2002 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and **Clever Stone Company**, 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 Chip and Seal Application, County of Boone Request for Bid, bid number **47-25JUN02**, Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed Response Form, Standard Terms and Conditions, as well as the Contractor's bid response dated June 25, 2002 and executed by Michael J. Donelson 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 Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed Response Form, and the Standard Terms and Conditions shall prevail and control over the Contractor's bid response.
2. **Contract Duration** - This agreement shall commence on the date written above through completion of project.
3. **Purchase** - The County agrees to purchase from the Contractor and the Contractor agrees to supply the County, the furnishing of all labor, materials, tools, equipment, transportation, services, and supervision to perform Chip and Seal Application as identified and responded to in the Contractor's response. Items and/or service will be provided as required in the bid specifications and in conformity with the contract documents for the prices set forth in the Contractor's bid response, as needed and as ordered by the County.
4. **Billing and Payment** - All billing shall be invoiced to the Boone County Public Works, and may only include the prices as identified in the Contractor's bid response. No additional fees for delivery or extra services not included in the bid response 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, delivery of products and/or service are delayed, or products and/or service 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.

CLEVER STONE COMPANY

by Michael J. Douglas
title Vice - President
address 1075 Wise Hill Road
Clever, MO 65031

BOONE COUNTY, MISSOURI

by: Boone County Commission
Don Stamps
Don Stamps, Presiding Commissioner

APPROVED AS TO FORM:

[Signature]
County Counselor

ATTEST:

Wendy S. Noren
Wendy S. Noren, 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 is not required for a term and supply contract or where the terms of the contract do not result in a measurable county obligation.)

2040-71100 \$60,210.60

June C. Pitchford
Signature by se

7/18/02
Date

Appropriation Account

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
County of Boone } ea.

July Session of the May Adjourned Term. 20 02

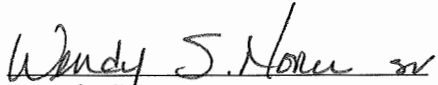
In the County Commission of said county, on the 23rd day of July 20 02
the following, among other proceedings, were had, viz:

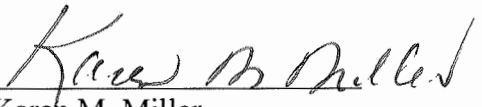
Now on this day, the County Commission of the County of Boone does hereby award City of Columbia bid 194/2002 for Pagers and Paging Services to Chariton Valley Tristar. It is further ordered that the Presiding Commissioner be hereby authorized to sign said contracts.

Done this 23rd day of July, 2002.


Don Stamper
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, 2nd Flr
Columbia, MO 65201
(573) 886-4392

MEMORANDUM

TO: Boone County Commission
FROM: Marlene Ridgway *MR*
RE: 194/2002 – City of Columbia Cooperative Bid for Pagers and
Paging Service
DATE: July 15, 2002

The City of Columbia recently issued a cooperative contract for paging services to Chariton Valley TriStar. Boone County has utilized the past contract. We currently spend approximately \$475 per month on paging. In evaluating the current contract, there is a 10% decrease in monthly rental prices for both numeric and alpha/numeric pagers from our past contract. The Purchasing Department further recommends cooperatively using this agreement with Chariton Valley TriStar

This is a term and supply contract, hence no purchase orders.

RFQ# 194/2002

Item No.	Description of Articles or Services	Unit	Quantity	Unit Price	Total Price
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AIRTIME: (City-owned equipment): Prices quoted in this section shall include all upgrades, modifications, and/or replacements (changing of crystals, etc.) to be compatible to your system. Please provide monthly cost of air time for pagers **owned** by various departments of the city.

1	Numeric (Display) pagers, monthly cost of airtime, local coverage	\$4.95 mo	63	\$4.95	\$311.85
2	Alpha/Numeric pagers, monthly cost of air time per month, local coverage	\$7.15 mo	189	\$7.15	\$1,351.35
3	Voice pagers, monthly cost of air time per month, local coverage	N/A - mo	N/A	N/A	N/A

AIRTIME: (leased equipment): Please provide cost for rental of air time (including equipment rental) for pagers **leased** by various departments of the City.

4	Numeric (Display) pagers, rental of airtime, local coverage - PLEASE NOTE THE MONTHLY PRICE QUOTED IS SERVICE & EQUIPMENT INCLUDED!!	\$8.00/mo airtime & equip	5	\$8.00	\$40.00
5	Alpha/Numeric pagers, rental of airtime per month, local coverage- PLEASE NOTE THE MONTHLY PRICE QUOTED IS SERVICE & EQUIPMENT INCLUDED!!	\$11.00/mo Gold \$10.00/mo other A/N	N/A	\$11.00/mo Gold \$10.00/mo other A/N	N/A
6	Voice pagers, rental of air time per month, local coverage	N/A - mo	N/A	N/A	N/A

OPTIONS:

7	Indicate paging formats that can be provided and any additional cost per month: POCSAG, S-POCSAG & GOLAY	N/A	N/A	N/A	N/A
8	Are the following options available? Please circle YES or NO. If yes, please provide additional cost per month, if any: Voice Mail <input checked="" type="radio"/> YES <input type="radio"/> NO Customized Greeting <input checked="" type="radio"/> YES <input type="radio"/> NO List all additional options and services available and additional cost per month, if any: RESEND (9 most recent pages to the unit when unit comes back within cov. area) INFORMATION UPDATES (News, local Weather and/or Sports), EMAIL PAGING (able to receive emails to an alphanumeric unit), NUMERIC MAIL (num or alpha pagers receive numbers paged to the unit if out of range), DIRECT 800# (individual toll-free #), INTERNET PAGING (www.page.cvalley.net to send text messages to alpha pager), & GROUP NUMBER (able to send a group of pagers a page at the same time)	\$1.00* <u>voice mail</u> Cst. Greet Free w/ vm or \$1.00* <u>resend</u> \$1.00* <u>info</u> <u>Updates</u> \$2.00* <u>email</u> <u>paging</u> \$.50* <u>num</u> <u>Mail</u> \$6.00* <u>Dir</u> <u>800 # ltd.</u> <u>pages</u> <u>N/C -Web</u> <u>Paging</u> <u>Group # -</u> \$2.50* * = per mo	N/A	N/A	N/A

**PURCHASE AGREEMENT
FOR
PAGERS AND PAGING SERVICE**

THIS AGREEMENT dated the 23rd day of July 2002 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Chariton Valley TriStar, 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 Pagers and Paging Service in compliance with all bid specifications and any addendum issued for the City of Columbia Request for Bid number 194/2002. All such documents shall constitute the contract documents which are 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 City of Columbia Request for Bid number 194/2002 shall prevail and control over the vendor's bid response.

2. **Contract Duration** - This agreement shall commence on the day written above through May 31, 2002. This agreement may be extended beyond the expiration date by order of the County for four additional one year periods subject to the pricing clauses in the Contractor's bid response and thereafter on a month to month basis in the event the County is unable to re-bid and/or award a new contract prior to the expiration date after exercising diligent efforts to do so or not; provided, however, that from and after the expiration date of this agreement any annual extensions thereof, Contractor shall have the right to terminate this agreement upon thirty days advance written notice of termination.

3. **Rates and Charges** - Contractor agrees to provide pagers and paging service in accordance with its bid response at the rates per month and the charges specified therein during the contract period. The County reserves the right to add or delete service on an as needed basis. The County agrees to pay all invoices within thirty days of receipt. 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.

4. **Maintenance and Service** - Contractor agrees to provide County with the pagers and paging service and maintenance as specified in its bid response. Contractor agrees to make no major change in its ability to provide maintenance and service as outlined in its bid response without notifying the County of such changes and obtaining the county's prior approval.

5. **Hardware Charges** - Contractor agrees to provide pager hardware at the rates and charges specified in the bid response. Contractor further agrees to provide the County with hardware pricing changes in a timely manner.

6. **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 hardware and/or service is chronically deficient such that it is unreasonable to continue services pursuant to this agreement, or
- c. If appropriations are not made available and budgeted for any calendar year or in the event funding by grant or otherwise is discontinued.

7. **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.

8. **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.

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


CHARITON VALLEY TRISTAR

BOONE COUNTY, MISSOURI

by _____

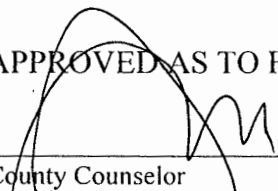
by: Boone County Commission

title _____

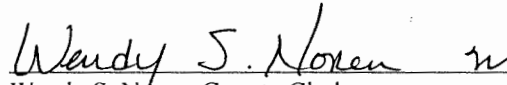

Don Stamper, Presiding Commissioner

APPROVED AS TO FORM:

ATTEST:




County Counselor



Wendy S. Noren, 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 is not required for a term and supply contract or where the terms of the contract do not result in a measurable county obligation.)

Signature Term & Supply - No Encumbrance Required Date 7/17/02  Term/Supply
Appropriation Account

Boone County Purchasing

Debbie Crutchfield
Office Specialist



601 E. Walnut-Room 209
Columbia, MO 65201
(573) 886-4394
Fax (573) 886-4390
Email: dcrutchfield@boonecountymo.org

February 6, 2003

Michelle Vogt
Chariton Valley Tristar
604 Nebraska
Columbia, MO. 65201

RE: 194/2002 – City of Columbia Pagers and Paging Services

Dear Ms. Vogt:

The County of Boone wishes to renew the above referenced contract. Confirming the letter dated January 24, 2003, you agree to renew the contract under the same terms and conditions. This contract renewal date will cover through May 31, 2004.

Should you have any questions, please contact me.

Sincerely,

Debbie Crutchfield
Office Specialist

Cc Purchasing
Bid File
Clerk's File

 **COPY**

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
County of Boone } ea.

July Session of the May Adjourned Term. 20 02

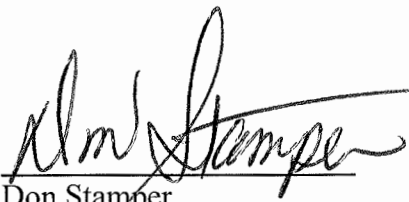
In the County Commission of said county, on the 23rd day of July 20 02
the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby award bid 44-25JUN02 for Traffic Signs, Barricades, and Sign Posts Term and Supply as follows:

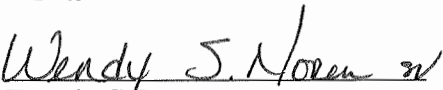
- **Custom Products Corporation** of Jackson, Mississippi: Category A – Traffic Signs
- **Allied Tube and Conduit** of Blue Springs, Missouri: Category B – Barricades, Cones, and Markers and Category C – Traffic Signs

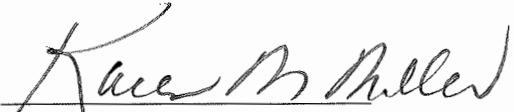
It is further ordered that the Presiding Commissioner be hereby authorized to sign said contracts.

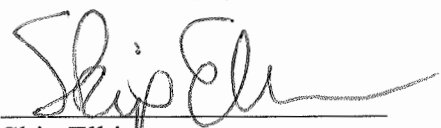
Done this 23rd day of July, 2002.


 Don Stamper
 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

Melinda Bobbitt, CPPB
Director



601 E. Walnut, 2nd Floor
Columbia, MO 65201
Phone: (573) 886-4391
Fax: (573) 886-4390

MEMORANDUM

TO: Boone County Commission
FROM: Melinda Bobbitt, CPPB
DATE: July 15, 2002
RE: 44-25JUN02 – Traffic Signs, Barricades, and Sign Posts Term and Supply

The Bid for Traffic Signs, Barricades, and Sign Posts Term and Supply was issued on June 4, 2002. The bid closed on June 25, 2002. A total of eleven bids were received. Purchasing and Public Works recommend award by Category by low bidder to the following vendors:

Custom Products Corporation of Jackson, Mississippi: Category A – Traffic Signs

Allied Tube and Conduit of Blue Springs, Missouri: Category B – Barricades Cones and Markers and Category C – Traffic Signs

This is a Term and Supply contract from department 2040- PW – Maintenance Operations, account 26600 – Traffic Signs and account 23850 – Cones/Barricades. Original budget was \$25,050. At the time of this writing, \$27,719 remain between the two accounts.

ATTACHMENT: Bid Tabulation

cc: David Mink, Public Works Director
Bid File

Bid Tabulation

44-25JUN02-Traffic Sign		Allied Tube and Conduit	al Sign Co	Newman Signs, Inc.	Rocal, Inc	Signs and Blanks, Inc.	Custom Products Co	MO Vocational Enterprises	Schulte Supply, Inc.	Vulcan Signs	Hall Signs	Hertz Equipment
4.8.	CATEG... A: TRAFFIC SIGNS	Price Ea	Price Ea	Price Ea	Price Ea	Price Ea	Price Ea	Price Ea	Price Ea	Price Ea	Price Ea	Price Ea
4.8.1.	STOP AND YIELD SIGNS:		ONLY AN ALL OR NONE BID AWARD WILL BE CONSIDERED	MINIMUM ORDER OF \$200 FOR FREE SHIPPING								
4.8.1.1.	Stop 24 OctagonalR1-1	-	\$ 12.60	\$ 12.30	\$ 11.27	\$ 11.00	\$ 10.20	\$ 27.65	No Bid	\$ 10.85	\$ 11.34	\$ 19.30
4.8.1.2.	Stop 30 OctagonalR1-1	-	\$ 19.68	\$ 17.75	\$ 17.50	\$ 16.99	\$ 15.63	\$ 37.95	No Bid	\$ 16.94	\$ 17.38	\$ 20.37
4.8.1.3.	Yield 36 Triangular R1-2	-	\$ 12.30	\$ 13.50	\$ 13.07	\$ 13.75	\$ 11.00	\$ 34.20	No Bid	\$ 11.54	\$ 14.38	\$ 25.65
4.8.1.4.	4-Way 12 X 6 R1-3	-	\$ 1.60	\$ 3.85	\$ 1.65	\$ 2.35	\$ 1.40	\$ 3.40	No Bid	\$ 2.07	\$ 1.98	\$ 30.76
4.8.1.5.	All Way 18 x 6 R1-4	-	\$ 2.35	\$ 4.45	\$ 2.26	\$ 2.40	\$ 2.05	\$ 5.05	No Bid	\$ 2.61	\$ 2.66	\$ 8.17
	Sub-Total for Traffic Signs	\$0.00	\$ 48.53	\$ 51.85	\$ 45.75	\$ 46.49	\$ 40.28	\$ 108.25	\$	\$ 44.01	\$ 47.74	\$ 104.25
4.8.2.	SPEED LIMIT SIGNS:											
4.8.2.1.	Speed Limit 18 X 24 R21	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.19
4.8.2.2.	Speed Limit 24 x 30 R24	-	\$ 15.75	\$ 14.70	\$ 14.52	\$ 13.75	\$ 13.50	\$ 34.25	No Bid	\$ 14.55	\$ 14.79	\$ 18.87
4.8.2.3.	Speed Limit Except WherePosted 24x48R24A	-	\$ 25.20	\$ 42.75	\$ 23.23	\$ 22.00	\$ 21.60	\$ 44.45	No Bid	\$ 23.28	\$ 23.94	\$ 26.45
	Sub-Total for Speed Limit Signs	\$0.00	\$ 50.40	\$ 67.40	\$ 46.46	\$ 44.00	\$ 42.96	\$ 101.15	\$0.00	\$ 46.56	\$ 47.91	\$ 59.51
4.8.3.	TRAFFIC MOVEMENT & PROHIBITION SIGNS:											
4.8.3.1.	No Turn 24 X 24 R34	-	\$ 12.60	\$ 12.90	\$ 11.61	\$ 12.00	\$ 11.60	\$ 28.25	No Bid	\$ 11.64	\$ 11.98	\$ 15.00
4.8.3.2.	Left Lane Must Turn Left 30 X 30 R3-7L	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.3.3.	Right Lane Must Turn Right 30 X 30 R3-7R	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.3.4.	Do Not Enter 30 X 30 R51	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.3.5.	No Trucks (Symbol) 24 X 24 R5-2	-	\$ 12.60	\$ 12.90	\$ 11.81	\$ 12.00	\$ 11.60	\$ 28.25	No Bid	\$ 12.90	\$ 12.61	\$ 15.00
4.8.3.6.	No Trucks 24 X 18 R5-2P	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.3.7.	One Way Arrow Left 36 X 12 R6-1L	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.08	\$ 26.02
4.8.3.8.	One Way Arrow Right 36 X 12 R6-1R	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.08	\$ 26.02
4.8.3.9.	One Way-Left Arrow 18 X 24 R6-2L	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.3.10.	One Way-Right Arrow 18 X 24 R6-2R	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.3.11.	No Parking 12 X 18 R7-4B	-	\$ 4.75	\$ 6.30	\$ 4.36	\$ 4.13	\$ 4.20	\$ 14.00	No Bid	\$ 4.69	\$ 5.13	\$ 7.68
4.8.3.12.	No Parking Anytime 12 X 18 R7-1	-	\$ 4.75	\$ 6.30	\$ 4.36	\$ 4.13	\$ 4.20	\$ 14.00	No Bid	\$ 4.69	\$ 5.13	\$ 7.68
4.8.3.13.	No Parking Here To Corner 12 X 18 R7-11D	-	\$ 4.75	\$ 6.30	\$ 4.36	\$ 4.13	\$ 4.20	\$ 14.00	No Bid	\$ 4.69	\$ 5.13	\$ 7.68
4.8.3.14.	No Parking Between Signs 12 X 18 R7-12	-	\$ 4.75	\$ 6.30	\$ 4.36	\$ 4.13	\$ 4.20	\$ 14.00	No Bid	\$ 4.69	\$ 5.13	\$ 7.68
4.8.3.15.	No Parking Time Zone 12 X 18 R7-101D	-	\$ 4.75	\$ 6.30	\$ 4.36	\$ 4.13	\$ 4.20	\$ 14.00	No Bid	\$ 4.69	\$ 5.13	\$ 7.68
4.8.3.16.	No Dumping Allowed 18 X 24 R10-20	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 9.50	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.3.17.	Weight Limit Tons 18 X 24 R12-1	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.3.18.	Weight Limit Tons 24 X 30 R12-1	-	\$ 15.75	\$ 9.95	\$ 14.52	\$ 13.75	\$ 13.50	\$ 34.25	No Bid	\$ 14.55	\$ 14.79	\$ 18.87
	Sub-Total for Traffic Movement & Prohibition Signs	\$0.00	\$ 189.89	\$ 190.15	\$ 175.16	\$ 168.97	\$ 163.36	\$ 431.75	\$	\$ 178.22	\$ 184.26	\$ 271.54
4.8.4.	HORIZONTAL ALIGNMENT SIGNS:											
4.8.4.1.	Curve Arrow Right 30 X 30 W1-1R	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.4.2.	Curve Arrow Left 30 X 30 W1-1L	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.4.3.	Reverse Turn Right 30 X 30 W1-3R	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.4.4.	Reverse Turn Left 30 X 30 W1-3L	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.4.5.	Reverse Curve Right 30 X 30 W1-4R	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.4.6.	Reverse Curve Left 30 X 30 W1-4L	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.4.7.	Winding Road Right 30 X 30 W1-6R	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.4.8.	Winding Road Left 30 X 30 W1-6L	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.4.9.	Directional Arrow 48 X 24 W1-6	-	\$ 25.20	\$ 21.90	\$ 23.23	\$ 22.00	\$ 21.60	\$ 44.45	No Bid	\$ 23.28	\$ 23.94	\$ 20.41
4.8.4.10.	Directional Arrow 48 X 24 W1-7	-	\$ 25.20	\$ 21.90	\$ 23.23	\$ 22.00	\$ 21.60	\$ 44.45	No Bid	\$ 23.28	\$ 23.94	\$ 26.45
4.8.4.11.	Chevron Double Faced 18 X 24 W1-8	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 11.40	\$ 13.76	\$ 22.45	No Bid	\$ 11.78	\$ 17.12	\$ 14.20
4.8.4.12.	Chevron Double Faced 24 X 30 W1-8	-	\$ 15.75	\$ 14.20	\$ 14.52	\$ 19.00	\$ 23.63	\$ 34.25	No Bid	\$ 19.64	\$ 25.60	\$ 18.87
4.8.4.13.	T Symbol 30 X 30 W2-4	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41

Bid Tabulation

44-25JUN02-Traffic Sign		Allied Tube and Conduit	al Sign Co	Newman Signs, Inc.	Rocal, Inc	Signs and Blanks, Inc.	Custom Products Cor	40 Vocational Enterprises	Schulte Supply, Inc.	Vulcan Signs	Hall Signs	Hertz Equipment
4.8.4.14.	Intersection Sym... 30 X 30 W2-1	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.	\$ 20.41
	Sub-Total for Horizontal Alignment Signs	\$0.00	\$ 272.40	\$ 245.45	\$ 251.19	\$ 246.30	\$ 249.39	\$ 525.10	\$ -	\$ 259.88	\$ 274.50	\$ 284.03
4.8.5.	WARNING SIGNS:	-										
4.8.5.1.	Road Work Ahead 30 X 30 W20	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.5.2.	Road Work Ahead 30 X 30 W21	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.5.3.	Road Closed 48 X 30 R11-2	-	\$ 31.50	\$ 26.75	\$ 29.04	\$ 27.50	\$ 27.00	\$ 58.80	No Bid	\$ 29.10	\$ 30.20	\$ 44.35
4.8.5.4.	Road Closed to Thru Traffic 60 X 30 R11-4	-	\$ 39.40	\$ 32.75	\$ 36.30	\$ 34.38	\$ 33.75	\$ 71.00	No Bid	\$ 36.38	\$ 49.61	\$ 41.34
4.8.5.5.	Fresh Oil 30 X 30 TW21	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.5.6.	Stop Ahead 30 X 30 W3-1A	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 20.26	\$ 37.95	No Bid	\$ 20.68	\$ 18.39	\$ 20.41
4.8.5.7.	Be Prepared To Stop 30 X 30 W21-SP	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.5.8.	Flagger Ahead 30 X 30 W20-7A	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.5.9.	Equestrian Trail Ahead 30 X 30 W11-7	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.5.10	Fire Station Ahead 30 X 30 W11-8	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
	Sub-Total for Warning Signs	\$0.00	\$ 228.34	\$ 201.50	\$ 210.54	\$ 199.40	\$ 199.17	\$ 433.40	\$ -	\$ 213.49	\$ 226.93	\$ 248.97
4.8.6.	SUPPLEMENTAL WARNING PLAQUE:	-										
4.8.6.1.	Stop Ahead Placard 24 X 18 W3-1P	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.6.2.	Yield Ahead Placard 24 X 18 W3-2P	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.6.3.	Hill 24 X 18 W7-1P	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.6.4.	School X-ing 24 X 18 S2-1P	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 8.73	\$ 9.18	\$ 14.20
4.8.6.5.	Time Zone Placard 24 X 10 S4-1	-	\$ 5.25	\$ 14.60	\$ 4.84	\$ 5.50	\$ 5.01	\$ 15.50	No Bid	\$ 4.83	\$ 5.38	\$ 8.76
4.8.6.6.	Speed Placard 18 X 18 W13-1	-	\$ 7.10	\$ 8.10	\$ 6.53	\$ 6.19	\$ 6.12	\$ 17.80	No Bid	\$ 6.55	\$ 7.11	\$ 11.77
4.8.6.7.	Speed Advisory Placard 18 X 18 W13-6-1	-	\$ 7.10	\$ 17.20	\$ 6.53	\$ 6.19	\$ 6.12	\$ 17.80	No Bid	\$ 6.55	\$ 7.11	\$ 11.77
4.8.6.8.	Intersection Ahead Placard 24 X 18	-	\$ 9.45	\$ 20.55	\$ 8.71	\$ 9.00	\$ 7.86	\$ 22.45	No Bid	\$ 9.63	\$ 9.18	\$ 14.19
4.8.6.9.	Dangerous Hill Ahead 24 X 18	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 9.63	\$ 9.18	\$ 14.19
4.8.6.10	Equestrian X-ing Ahead Placard 24 X 18 W11-7P	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 9.63	\$ 9.18	\$ 14.19
4.8.6.11	Fire Station Ahead Placard 24 X 18 W11-8P	-	\$ 9.45	\$ 9.95	\$ 8.71	\$ 8.25	\$ 7.86	\$ 22.45	No Bid	\$ 9.63	\$ 9.18	\$ 14.19
	Sub-Total for Supplemental Warning Plaque	\$0.00	\$ 95.05	\$ 130.10	\$ 87.58	\$ 84.63	\$ 80.13	\$ 230.70	\$ -	\$ 91.37	\$ 93.04	\$ 145.86
4.8.7.	INTERSECTION WARNING SIGNS:	-										
4.8.7.1.	Intersection Signs 30 X 30 W2	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
	Sub-Total for Intersection Warning Signs	\$0.00	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.8.	STOP AHEAD & YIELD SIGNS:	-										
4.8.8.1.	Stop Ahead 30 X 30 W3-1A	-	\$ 19.68	\$ 18.90	\$ 20.65	\$ 18.75	\$ 20.26	\$ 37.95	No Bid	\$ 20.68	\$ 19.36	\$ 20.41
4.8.8.2.	Yield Ahead 30 X 30 W3-2A	-	\$ 19.68	\$ 23.50	\$ 20.65	\$ 18.75	\$ 20.26	\$ 37.95	No Bid	\$ 20.68	\$ 20.44	\$ 20.41
	Sub-Total for Stop Ahead & Yield Signs	\$0.00	\$ 39.36	\$ 42.40	\$ 41.30	\$ 37.50	\$ 40.52	\$ 75.90	\$ -	\$ 41.36	\$ 39.80	\$ 40.82
4.8.9.	BUMP SIGN:	-										
4.8.9.1.	Bump 30 X 30 W8-1	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
	Sub-Total for Bump Sign	\$0.00	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.10.	DEAD END or NO OUTLET SIGNS:	-										
4.8.10.1.	Dead End 24 X 24 W14-1	-	\$ 12.60	\$ 12.30	\$ 11.61	\$ 11.00	\$ 10.80	\$ 28.25	No Bid	\$ 11.64	\$ 11.98	\$ 15.00
4.8.10.2.	Dead End 30 X 30 W14-1	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.10.2.	No Outlet 30 X 30 W14-2	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
	Sub-Total Dead End or No Outlet Signs	\$0.00	\$ 51.96	\$ 47.80	\$ 47.91	\$ 45.38	\$ 44.56	\$ 104.15	\$ -	\$ 48.02	\$ 48.76	\$ 55.82

Bid Tabulation

44-25JUN02-Traffic Sig		Allied Tube and Conduit	al Sign Co	Newman Signs, Inc.	Rocal, Inc	Signs and Blanks, Inc.	Custom Products Co	VO Vocational Enterprises	Schulte Supply, Inc.	Vulcan Signs	Hall Signs	Hertz Equipment
4.8.11.	OTHER WARNING SIGNS:	-										
4.8.11.1	Railroad Crossing 30" Diameter W10-1	-	\$ 19.68	\$ 19.05	\$ 18.15	\$ 18.75	\$ 16.88	\$ 37.95	No Bid	\$ 16.72	\$ 18.35	\$ 22.52
4.8.11.2	Hazard Marker Double Faced 12 X 36 H-1	-	\$ 9.45	\$ 14.15	\$ 8.71	\$ 11.40	\$ 13.76	\$ 22.45	No Bid	\$ 19.35	\$ 17.12	\$ 26.02
4.8.11.3	Caution 30 X 30 N17	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 18.75	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.39	\$ 20.41
4.8.11.4	Designates School Crossing 30 X 30 S2-1	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 18.75	\$ 16.88	\$ 37.95	No Bid	\$ 17.39	\$ 17.60	\$ 20.41
4.8.11.5	Detour Directional Arrow 48 X 18 M4	-	\$ 18.90	\$ 25.75	\$ 17.42	\$ 16.50	\$ 16.20	\$ 36.70	No Bid	\$ 17.46	\$ 21.00	\$ 14.46
4.8.11.6	Watch Children 30 X 30 W9-13	-	\$ 19.68	\$ 17.75	\$ 18.15	\$ 17.19	\$ 16.88	\$ 37.95	No Bid	\$ 18.19	\$ 18.35	\$ 20.41
4.8.11.7	Mowers Ahead 36 X 36 W213A-A36	-	\$ 28.35	\$ 24.35	\$ 26.13	\$ 24.75	\$ 24.30	\$ 47.05	No Bid	\$ 26.19	\$ 26.18	\$ 30.16
4.8.11.8	Mowers Ahead 36 X 36 Fold & Roll Collapsible Sign Panel w/Base	-	No Bid	-	No Bid	No Bid	Tripod Sign Stand \$27.00	No Bid	No Bid	\$ 44.36	\$ 199.35	\$ 30.16
	Sub-Total Other Warning Signs	\$0.00	\$ 135.42	\$ 136.55	\$ 124.86	\$ 126.09	\$ 121.78	\$ 258.00	No Bid	\$ 177.85	\$ 336.34	\$ 184.55
4.8.12.	FLOOD WARNING SIGNS:	-										
4.8.12.1	Do Not Enter When Hooded 30 X 30	-	\$ 19.68	\$ 35.00	\$ 18.15	\$ 18.75	\$ 16.88	\$ 37.95	No Bid	\$ 20.06	\$ 18.35	\$ 20.41
4.8.12.2	Impassable During High Water 30 X 30	-	\$ 19.68	\$ 35.00	\$ 18.15	\$ 18.75	\$ 16.88	\$ 37.95	No Bid	\$ 20.06	\$ 18.35	\$ 20.41
4.8.12.3	Flood Area Ahead 30 X 30	-	\$ 19.68	\$ 35.00	\$ 18.15	\$ 18.75	\$ 16.88	\$ 37.95	No Bid	\$ 20.06	\$ 18.35	\$ 20.41
	Sub-Total for Flood Warning Signs	\$0.00	\$ 59.04	\$ 105.00	\$ 54.45	\$ 56.25	\$ 50.64	\$ 113.85		\$ 60.18	\$ 55.05	\$ 61.23
4.8.13.	SPECIAL SIGNS:	-										
4.8.13.1.	Adopt-a-Road (White on Olympic Blue) 36 X 24	-	No Bid	\$ 57.55	\$ 17.42	\$ 39.00	\$ 30.00	\$ 36.70	No Bid	\$ 48.49	\$ 28.31	\$ 15.65
	Sub-Total for Adopt-a-Road	\$0.00	No Bid	\$ 57.55	\$ 17.42	\$ 39.00	\$ 30.00	\$ 36.70	No Bid	\$ 48.49	\$ 28.31	\$ 15.65
	TOTAL FOR CATEGORY A	\$0.00	\$ 1,209.75	\$ 1,253.70	\$ 1,121.30	\$ 1,089.39	\$ 1,066.55	\$ 2,458.15	#VALUE!	\$ 1,197.32	\$ 1,391.11	\$ 1,497.40
4.9.	CATEGORY B: BARRICADES, CONES, MARKERS	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH
4.9.1.	BARRICADES:											
4.9.1.1.	Type II Double Sided / Engineer Grade	\$ 36.00	\$ 32.45	-	No Bid	No Bid	\$ 59.00	\$ 18.70	\$ 35.32	\$ 50.06	\$ 131.37	\$ 72.00
4.9.1.2.	Type III Double Sided / Engineer Grade	\$ 94.00	\$ 121.00	-	No Bid	No Bid	\$ 249.75	\$ 64.60	\$ 267.05	\$ 173.00	No Bid	\$ 195.68
4.9.1.3.	Type A Flashers	\$ 13.95	\$ 99.00	-	No Bid	No Bid	\$ 12.00	No Bid	\$ 13.43	\$ 15.94	\$ 15.86	\$ 17.47
	Sub-Total for Barricades	\$ 143.95	\$ 252.45	-	No Bid	No Bid	\$ 320.75	\$ 83.30	\$ 315.80	\$ 239.00	\$ 147.23	\$ 285.15
4.9.2.	TRAFFIC CONES:											
4.9.2.1.	Bright Orange 28" w/ 6" & 4" Reflective Collar	\$ 14.50	\$ 12.95	-	No Bid	No Bid	\$ 14.95	No Bid	\$ 13.65	\$ 13.44	\$ 18.19	\$ 13.89
4.9.3.	MARKERS:											
4.9.3.1.	Road Marker (White) CRM375	\$ 14.50	No Bid	-	No Bid	No Bid	\$ 18.75	No Bid	No Bid	\$ 14.50	No Bid	-
4.9.3.2.	End of Road Marker EOR-18RR	\$ 15.70	\$ 8.95	\$ 12.15	No Bid	No Bid	\$ 15.00	\$ 20.00	No Bid	\$ 8.90	No Bid	-
4.9.3.3.	Temporary Chip Seal / Overlay Marker (Yellow)	\$ 0.46	No Bid	\$ 0.45	No Bid	No Bid	\$ 0.65	No Bid	No Bid	\$ 0.70	No Bid	-
	Sub-Total for Markers	\$ 30.66	\$ 8.95	\$ 12.60	-	-	\$ 34.40	\$ 20.00		\$ 24.10	-	-
	TOTAL FOR CATEGORY B	\$ 189.11	\$ 274.35	#VALUE!	#VALUE!	#VALUE!	\$ 370.10	#VALUE!	\$ 329.45	\$ 276.54	\$ 165.42	\$ 299.04

44-25JUN02-Traffic Sign		Allied Tube and Conduit	al Sign Co	Newman Signs, Inc.	Rocal, Inc	Signs and Blanks, Inc.	Custom Products Cor	40 Vocational Enterprises	Schulte Supply, Inc.	Vulcan Signs	Hall Signs	Hertz Equipment
4.10.	CATEGORY C SIGN POSTS	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH	PRICE PER EACH
4.10.1.	SIGN POSTS & HARDWARE:											
4.10.1.1.	Sign Post: U-Channel 8-foot long	\$ 5.19	\$ 7.99	-	No Bid	No Bid	\$ 6.56	No Bid	No Bid	\$ 7.99	\$ 8.24	\$ 5.91
4.10.1.2.	Sign Post: U-Channel 10-foot long	\$ 6.49	\$ 9.99	-	No Bid	No Bid	\$ 8.20	\$ 13.50	No Bid	\$ 9.99	\$ 10.30	\$ 8.54
4.10.1.3.	Sign Post: U-Channel 12-foot long	\$ 7.78	\$ 12.99	-	No Bid	No Bid	\$ 9.84	\$ 19.75	No Bid	\$ 11.99	\$ 12.36	\$ 8.76
4.10.1.4.	Sign Post Uni-Strut Telespar 10-foot long	\$ 10.50	No Bid	-	No Bid	No Bid	No Bid	No Bid	No Bid	\$ 25.88	\$ 14.20	-
4.10.1.5.	Sign Post: Uni-Strut Telespar 2-piece break-away	\$ 6.60	No Bid	-	No Bid	No Bid	No Bid	No Bid	No Bid	\$ 16.70	No Bid	-
4.10.1.6.	Drive Rivet	\$ 0.47	No Bid	-	No Bid	No Bid	No Bid	No Bid	No Bid	\$ 0.75	No Bid	-
4.10.1.7.	Plastic Spacer	\$ 0.23	No Bid	-	No Bid	No Bid	No Bid	No Bid	No Bid	\$ 0.43	\$ 0.46	-
4.10.1.8.	Cherry Mate Rivet	\$ 0.38	No Bid	-	No Bid	No Bid	No Bid	No Bid	No Bid	\$ 0.23	\$ 0.64	-
4.10.1.9.	Sign Post: Uni-Strut Rain Cap	\$ 1.05	No Bid	-	No Bid	No Bid	No Bid	No Bid	No Bid	\$ 1.14	\$ 1.20	-
4.10.1.10.	Corner Bolt w/ Nut	\$ 0.40	No Bid	-	No Bid	No Bid	No Bid	No Bid	No Bid	\$ 0.92	-	-
	Sub-Total for Sign Posts & Hardware	\$ 39.09	\$ 30.97	\$ -	\$ -	\$ -	\$ 24.60	\$ 33.25	\$ -	\$ 76.02	\$ 47.40	\$ 23.21
	TOTAL FOR CATEGORY C	\$ 39.09	\$ 30.97	\$ -	\$ -	\$ -	\$ 24.60	\$ 33.25	\$ -	\$ 76.02	\$ 47.40	\$ 23.21
	Addendum Acknowledgment	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes	No
4.11.	Maximum % Increase for 2nd Year %	-	-	Firm only through 12/31/02	3%	-	10%	-	20%	-	10%	2%
4.12.	Maximum % Increase for 3rd Year %	2%	-	-	5%	-	10%	-	20%	-	10%	2%
4.13.	Maximum % Increase for 4th Year %	3%	-	-	7%	-	10%	-	20%	-	10%	2%
4.14.	Maximum % Increase for 5th Year %	3%	-	-	9%	-	10%	-	20%	-	10%	2%
4.15.	Co-op?	yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
	No Bids											

Mid American Sign Works, Inc.
 Carter Waters
 Woody's Municipal Supply Company

**PURCHASE AGREEMENT
FOR
TRAFFIC SIGNS, BARRICADES, AND SIGN PARTS TERM AND SUPPLY**

THIS AGREEMENT dated the 23rd day of July 2002 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and **Custom Products Corporation** 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 Traffic Signs, Barricades, and Sign Parts Term and Supply, County of Boone Request for Bid, bid number **44-25JUN02**, Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the unexecuted Response Form, Standard Terms and Conditions, as well as the Contractor's bid response dated June 18, 2002 and executed by Hal Perkins 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 Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the unexecuted Response Form and the Standard Terms and Conditions shall prevail and control over the Contractor's bid response.

2. Contract Duration - This agreement shall commence on August 1, 2002 and extend through July 31, 2003, subject to the provisions for termination specified below. This agreement may be extended beyond the expiration date by order of the County for four (4) additional one-year periods subject to the pricing clauses in the Contractor's bid response and thereafter on a month to month basis in the event the County is unable to re-bid and/or award a new contract prior to the expiration date after exercising diligent efforts to do so or not; provided, however, that from and after the expiration date of this agreement and any annual extensions thereof, Contractor shall have the right to terminate this agreement upon thirty days advance written notice of termination.

3. Purchase - The County agrees to purchase from the Contractor and the Contractor agrees to supply the County the items identified and responded to in **Category A - Traffic Signs** which includes section 4.8. of bid. These items will be provided as required in the bid specifications and in conformity with the contract documents for the prices set forth in the Contractor's bid response, as needed and as ordered by the County.

4. Billing and Payment - All billing shall be invoiced to the Boone County Public Work's Department and billings may only include the prices listed in the Contractor's bid response. No additional fees for delivery or extra services not included in the bid response 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, delivery of products is 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.

CUSTOM PRODUCTS CORPORATION

BOONE COUNTY, MISSOURI

by Hal M
title President
address PO Box 5491
JACKSON, MS 39288

by: Boone County Commission
Don Stamper
Don Stamper
Presiding Commissioner

APPROVED AS TO FORM:
[Signature]
County Counselor

ATTEST:
Wendy S. Noren
Wendy S. Noren
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 is not required for a term and supply contract or where the terms of the contract do not result in a measurable county obligation.)

2040 - 26600/23850
Traffic Signs, Barricades & Sign Posts - Term & Supply

no encumbrance required 7/17/02
Signature Date Appropriation Account

**PURCHASE AGREEMENT
FOR
TRAFFIC SIGNS, BARRICADES, AND SIGN PARTS TERM AND SUPPLY**

THIS AGREEMENT dated the 25th day of July 2002 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and **Allied Tube and Conduit** 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 Traffic Signs, Barricades, and Sign Parts Term and Supply, County of Boone Request for Bid, bid number 44-25JUN02, Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the unexecuted Response Form, Standard Terms and Conditions, as well as the Contractor's bid response dated June 18, 2002 and executed by Jeff Mjndham 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 Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the unexecuted Response Form and the Standard Terms and Conditions shall prevail and control over the Contractor's bid response.

2. **Contract Duration** - This agreement shall commence on August 1, 2002 and extend through July 31, 2003, subject to the provisions for termination specified below. This agreement may be extended beyond the expiration date by order of the County for four (4) additional one-year periods subject to the pricing clauses in the Contractor's bid response and thereafter on a month to month basis in the event the County is unable to re-bid and/or award a new contract prior to the expiration date after exercising diligent efforts to do so or not; provided, however, that from and after the expiration date of this agreement and any annual extensions thereof, Contractor shall have the right to terminate this agreement upon thirty days advance written notice of termination.

3. **Purchase** - The County agrees to purchase from the Contractor and the Contractor agrees to supply the County the items identified and responded to in **Category B - Barricades, Cones, Markers and Category C - Sign Posts**, which includes sections 4.9. and 4.10. of bid. These items will be provided as required in the bid specifications and in conformity with the contract documents for the prices set forth in the Contractor's bid response, as needed and as ordered by the County.

4. **Billing and Payment** - All billing shall be invoiced to the Boone County Public Work's Department and billings may only include the prices listed in the Contractor's bid response. No additional fees for delivery or extra services not included in the bid response 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, delivery of products is 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.

ALLIED TUBE AND CONDUIT

BOONE COUNTY, MISSOURI

by [Signature]
 title TRAFFIC SPECIALIST
 address 115 NE EASTWOOD DR
Blue Springs, MO 64014

by: Boone County Commission
[Signature]
 Don Stamper
 Presiding Commissioner

APPROVED AS TO FORM:
[Signature]
 County Counselor

ATTEST:
[Signature]
 Wendy S. Noren
 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 is not required for a term and supply contract or where the terms of the contract do not result in a measurable county obligation.)

2040 - 26600/23850
 Traffic Signs, Barricades & Sign Posts - Term & Supply

no encumbrances required 7/17/02
 Signature [Signature] Date Appropriation Account

Boone County Purchasing

Debbie Crutchfield
Office Specialist



601 E. Walnut-Room 209
Columbia, MO 65201
(573) 886-4394
Fax (573) 886-4390

Email: dcrutchfield@boonecountymo.org

May 30, 2003

Jeff Mindham
J & A Traffic Products
790 West 40 Highway
Blue Springs, MO 64015

44-25JUN02
RE: ~~45-25JUN02~~ - Traffic Signs, Barricades and Sign Posts, Term & Supply (Categories B& C)

Dear Mr. Mindham:

The County of Boone wishes to renew the above referenced contract. Confirming the letter dated May 21, 2003, you agree to renew the contract under the same terms and conditions as the original contract. This contract renewal date will cover through July 31, 2004.

Should you have any questions, please contact me.

Sincerely,

Debbie Crutchfield
Office Specialist

Cc Melinda Bobbitt
Bid File
Clerk's File

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
 County of Boone } ea.


July Session of the May Adjourned Term. 20 02

In the County Commission of said county, on the 23rd day of July 20 02
 the following, among other proceedings, were had, viz:


Now on this day, the County Commission of the County of Boone does hereby approve the Sagem Morpho Maintenance Agreement. It is further ordered that the Presiding Commissioner be hereby authorized to sign said agreement.

Done this 23rd day of July, 2002.

ATTEST:


 Wendy S. Noren
 Clerk of the County Commission


 Don Stamper
 Presiding Commissioner


 Karen M. Miller
 District I Commissioner


 Skip Elkin
 District II Commissioner

Boone County Purchasing

Melinda Bobbitt, CPPB
Director



601 E. Walnut, 2nd Floor
Columbia, MO 65201
Phone: (573) 886-4391
Fax: (573) 886-4391

MEMORANDUM

TO: Boone County Commission
FROM: Melinda Bobbitt, CPPB
DATE: March 28, 2002
RE: Sagem Morpho Maintenance Agreement

The Purchase Agreement for the Automated Fingerprint Identification System Equipment and Software located at the Sheriff department was signed by Commission on September 19, 2000. It was originally purchased from the State of Missouri contract number C501940001. This original purchase included maintenance for the first year, and we pre-paid maintenance for the second year.

Please find attached the Maintenance Service Agreement for future maintenance on this equipment. The Sheriff department requests permission to continue to purchase this maintenance from the State of Missouri contract # C50194001, which is attached to each of the Maintenance Service Agreements.

Year three maintenance is for the period December 1, 2002 through November 30, 2003. Total price for year three is \$9,717.42. Captain Braun requested that we proceed with signing the maintenance agreements since the Sheriff's department is required to pay this maintenance out of their block grant which is due by September.

ATTACHMENT: Maintenance Services Agreement

cc: Contract File
Captain Braun, Sheriff Department

1145 Broadway Plaza, Suite 300
Tacoma, WA 98402
Phone: 253 591-8846
Fax: 253 591-8856

SAGEM MORPHO, Inc.

Fax Cover Sheet

DATE: January 29, 2002 **TIME:** 1000 PST
TO: Melinda Bobbit **PHONE:** (573) 886-4391
Boone County Purchasing **FAX:** (573) 886-4390
FROM: Dave Smith **PHONE:** (253) 597-8209
Sagem Morpho, Inc. **FAX:** (253) 591-8856 (2nd Floor)
RE: Maintenance Pricing
CC:

Number of pages including cover sheet: [1]

Melinda,

The maintenance pricing is on the attached spreadsheet. Boone County paid for Year one as part of the purchase of the livescan equipment. The attached list shows years 2-5. If you have any questions, please call me at 800-346-2674, or directly at 253-597-8209.

Thanks,



Dave Smith
Project Manager

Beverly
Here is a copy
for your file.
TX
Melinda

**Boone County Sheriff's Department
Livescan and Associated Equipment Maintenance**

Item	Year 2	Year 3	Year 4	Year 5
ILS2	\$7,718.55	\$8,104.47	\$8,509.69	\$8,935.17
UPS	\$96.60	\$101.43	\$106.50	\$111.82
Print Server	\$975.45	\$1,024.22	\$1,075.43	\$1,129.20
UPS	\$96.60	\$101.43	\$106.50	\$111.82
Printer	\$367.50	\$385.87	\$405.16	\$425.41
Total	\$9,254.70	\$9,717.42	\$10,203.28	\$10,713.42

Maintenance Year runs from December 1 to November 30, "Year 2" begins December 1, 2002

3



STATE OF MISSOURI
OFFICE OF ADMINISTRATION
DIVISION OF PURCHASING AND MATERIALS MANAGEMENT
CONTRACT AMENDMENT

CONTRACT NO. C501940001
AMENDMENT NO. 016
TITLE: AFIS ENHANCEMENTS/MAINTENANCE/SERVICES
ISSUE DATE: 5/22/01

REQ: NR 812 HPO31000024
BUYER: KAREN BOEGER
PHONE NO.: (573)751-1699
E-MAIL: boegerk@mail.oa.state.mo.us

RETURN AMENDMENT NO LATER THAN: 05/31/01 AT 5:00 PM

TO: 33015478900
SAGEM MORPHO, INC.
1145 BROADWAY PLAZA, SUITE 300
TACOMA, WA 98402

RETURN AMENDMENT TO: DIVISION OF PURCHASING AND MATERIALS MANAGEMENT
301 WEST HIGH STREET, ROOM 580
PO BOX 809
JEFFERSON CITY MO 65102-0809

OR FAX TO: (573)751-7276

DELIVER SUPPLIES/SERVICES FOB DESTINATION TO THE FOLLOWING ADDRESS

MISSOURI STATE HIGHWAY PATROL
INFORMATION SYSTEMS DIVISION
1510 EAST ELM
JEFFERSON CITY, MO 65101

RECEIVED
2001 MAY -1 AM 9:50
DIVISION OF PURCHASING
OFFICE OF
ADMINISTRATION

SIGNATURE REQUIRED

AUTHORIZED SIGNATURE		DATE
		5/31/01
PRINTED NAME	TITLE	
Jean-Marc Suchier	President + CEO	
COMPANY NAME		
SAGEM MORPHO, Inc.		
MAILING ADDRESS		
1145 Broadway Plaza, Suite 200		
CITY, STATE, ZIP		
Tacoma WA 98402		
VENDOR NO. (IF KNOWN)		FEDERAL EMPLOYER ID NO.
PHONE NO.	FAX NO.	E-MAIL ADDRESS
253-383-3617	253-591-8856	

NOTICE OF AWARD (STATE USE ONLY)

ACCEPTED BY STATE OF MISSOURI AS FOLLOWS:		
Accepted in its entirety.		
CONTRACT NO.		CONTRACT PERIOD
C501940001		07/01/01 through 06/30/02
BUYER	DATE	DIRECTOR
Karen Boeger	5/16/01	James Milush

Karen Boeger

Renewed

**PURCHASE AGREEMENT
FOR
AUTOMATED FINGERPRINT IDENTIFICATION SYSTEM**

THIS AGREEMENT dated the 19th day of September 2000 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Sagem Morpho, Incorporated, herein "Vendor."

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 an Automated Fingerprint Identification System in compliance with all bid specifications and any addendum issued for the State of Missouri Contract C501940001-013. All such documents shall constitute the contract documents which are 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 State of Missouri Contract C501940001-013 shall prevail and control over the vendor's bid response.

2. **Purchase/Services** - The County agrees to purchase from the Contractor and the Contractor agrees to supply one ILS2 Workstation, Livescan Workstation UPS, ILS2 Print Server, and one ILS2 Duplex Tenprint Card Printer at a total cost of \$68,180.00. The County further agrees to purchase the second year of maintenance on the equipment identified above at a total cost of \$8,373.30. The County further agrees to purchase system training for four employees at a total cost of \$1,100.00. The total cost of the system to be purchased, two years of maintenance and training for four employees is \$77,653.30.

3. **Billing and Payment** - All billing shall be invoiced to the to the County Department placing the order billings may only include the prices listed in the vendor's bid response. No additional fees for paper work processing, labor, or taxes shall be included as additional charges in excess of the charges in the Vendor's bid response to the specifications. The County agrees to pay all invoices within thirty days of receipt. 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 Vendor, 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.

4. **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.



STATE OF MISSOURI
OFFICE OF ADMINISTRATION
DIVISION OF PURCHASING AND MATERIALS MANAGEMENT
CONTRACT RENEWAL

CONTRACT NO.: C501940001
AMENDMENT NO.: 013
TITLE: AFIS SYSTEM
ISSUE DATE: 08/11/00

Amendment #16

REQUISITION: NR 812 HPO300000011
BUYER: KAREN BOEGER
PHONE NO.: (573) 751-1699
E-MAIL: boeger@mail.es.state.mo.us

TO: 3301547890 0
SAGEM MORPHO, INC.
1145 BROADWAY PLAZA
TACOMA, WA 98402

RETURN AMENDMENT NO LATER THAN: 08/18/00 AT 5:00 PM

RETURN AMENDMENT TO: DIVISION OF PURCHASING AND MATERIALS MANAGEMENT
361 WEST HIGH STREET, ROOM 580
PO BOX 889
JEFFERSON CITY MO 65102-8809

OR FAX TO: (573)751-7276 (either mail or fax, not both)

DELIVER SUPPLIES/SERVICES FOR DESTINATION TO THE FOLLOWING ADDRESS:

MISSOURI STATE HIGHWAY PATROL
CRIMINAL RECORDS & IDENTIFICATION
POST OFFICE BOX 568
JEFFERSON CITY MO 65102

SIGNATURE REQUIRED

APPROVED SIGNATURE		DATE
<i>[Signature]</i>		8/18/2000
PRINTED NAME	TITLE	
Jean-Marc Suchier	President + CEO	
COMPANY NAME		
Sagem Morpho Inc		
MAILING ADDRESS		
1145 Broadway Plaza Suite 200		
CITY, STATE, ZIP		
Tacoma WA 98402		
FEDERAL EMPLOYEE ID NO.		
33-0154789		
PHONE NO.	FAX NO.	E-MAIL ADDRESS
800 346 2674	253 591 8856	

NOTICE OF AWARD (STATE USE ONLY)

ACCEPTED BY STATE OF MISSOURI AS FOLLOWS:		
Accepted in its entirety.		
CONTRACT NO.	CONTRACT PERIOD	
C501940001-013	07/01/00 through 06/30/01	
BUYER	DATE	DIRECTOR
<i>[Signature]</i> Karen Boeger	9/1/00	<i>[Signature]</i> Joyce Murphy

MSHP AFIS Maintenance
FY01

Missouri State Highway Patrol

ITEM DESCRIPTION	QTY	PAYMENT	JUL '00	AUG '00	SEP '00	OCT '00	NOV '00	DEC '00	JAN '01	FEB '01	MAR '01	APR '01	MAY '01	JUN '01	YEAR TOTAL	RENEWAL
CC	1	monthly	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$1,388.83	\$16,642	Jul
DIRE	1	monthly	\$624.91	\$624.91	\$624.91	\$624.91	\$624.91	\$624.91	\$624.91	\$624.91	\$624.91	\$624.91	\$624.91	\$624.91	\$7,498	Jul
DATE	1	monthly	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$1,351.16	\$16,214	Jul
V8 Coder	1	monthly	\$1,122.00	\$1,122.00	\$1,122.00	\$1,122.00	\$1,122.00	\$1,122.00	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$13,801	Jan
V8 Coder (1)	1	monthly	\$1,122.00	\$1,122.00	\$1,122.00	\$1,122.00	\$1,122.00	\$1,122.00	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$13,801	Jan
ARCUSL Member	1	monthly	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$19,447	Jan
TP10 V8 Member	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	Jul
V8 TP10C	3	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,881.74	Jun
V8 TP10C	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	Oct
OSP	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	Mar
TP Input WS-F w/printer	1	monthly	\$641.67	\$641.67	\$641.67	\$641.67	\$641.67	\$641.67	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$7,892	Jan
TP Input WS-F	1	monthly	\$641.67	\$641.67	\$641.67	\$641.67	\$641.67	\$641.67	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$7,891	Jan
TP Input Scanner WS	1	monthly	\$641.67	\$641.67	\$641.67	\$641.67	\$641.67	\$641.67	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$7,891	Jan
TP Quality Control WS-B	1	monthly	\$621.92	\$621.92	\$621.92	\$621.92	\$621.92	\$621.92	\$653.02	\$653.02	\$653.02	\$653.02	\$653.02	\$653.02	\$7,850	Jan
WS-B Verification	1	monthly	\$621.92	\$621.92	\$621.92	\$621.92	\$621.92	\$621.92	\$653.02	\$653.02	\$653.02	\$653.02	\$653.02	\$653.02	\$7,850	Jan
RAID/UB Regs demand	1	monthly	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$2,912.75	\$34,953	Jul
FF Workstation	1	monthly	\$642.00	\$642.00	\$642.00	\$642.00	\$642.00	\$642.00	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$7,893	Jan
Verification Workstation	1	monthly	\$433.00	\$433.00	\$433.00	\$433.00	\$433.00	\$433.00	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$5,462	Jan
Verification Workstation	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$433.00	\$433.00	\$433.00	\$433.00	\$1,732	Mar
Line Printer	2	monthly	\$53.00	\$53.00	\$53.00	\$53.00	\$53.00	\$53.00	\$58.43	\$58.43	\$58.43	\$58.43	\$58.43	\$58.43	\$668	Jan
Tablet or Printer	1	monthly	\$148.00	\$148.00	\$148.00	\$148.00	\$148.00	\$148.00	\$163.17	\$163.17	\$163.17	\$163.17	\$163.17	\$163.17	\$1,867	Jan
MONTHLY TOTAL			\$14,585.06	\$14,585.06	\$14,585.06	\$14,585.06	\$14,585.06	\$14,585.06	\$14,951.91	\$14,951.73	\$15,384.73	\$15,384.73	\$15,384.73	\$20,246.47		
ANNUAL TOTAL															\$181,948	

Missouri Department of Corrections

100T Pager	2	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,147.83	\$1,147.83	\$1,147.83	\$3,443	Mar
10x Print Server	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$166.66	\$166.66	\$166.66	\$500	Mar
10x Duplex Printer	2	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$472.50	\$472.50	\$472.50	\$1,418	Mar
10x Card format	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$87.60	\$87.60	\$87.60	\$263	Sep
ILS2	1	monthly				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	Oct
ILS2 Print Server	2	monthly				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	Oct
ILS2 Duplex Printer	3	monthly				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	Oct
ILS2 Card format	4	monthly				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	Oct
MONTHLY TOTAL												\$1,874.49	\$1,874.49	\$1,874.49		
ANNUAL TOTAL															\$5,823	

Springfield Police Department

ITEM DESCRIPTION																
TP Input WS F/printer	1		\$673.00	\$673.00	\$712.95	\$712.95	\$712.95	\$712.95	\$712.95	\$712.95	\$712.95	\$712.95	\$712.95	\$712.95	\$8,488	Mar

MSHP AFIS Maintenance
FY02

Missouri State Highway Patrol

ITEM DESCRIPTION	QTY	PAYMENT	JUL '01	AUG '01	SEP '01	OCT '01	NOV '01	DEC '01	JAN '02	FEB '02	MAR '02	APR '02	MAY '02	JUN '02	YR TOTAL	RENEWAL
CC	1	monthly	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$1,456.17	\$14,561.70	Jul
DARS	1	monthly	\$656.16	\$656.16	\$656.16	\$656.16	\$656.16	\$656.16	\$656.16	\$656.16	\$656.16	\$656.16	\$656.16	\$656.16	\$6,561.60	Jul
DMS	1	monthly	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$1,418.72	\$14,187.20	Jul
VS Code	1	monthly	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,237.01	\$1,237.01	\$1,237.01	\$1,237.01	\$1,237.01	\$14,432.00	Jan
VS Code (1)	1	monthly	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,178.10	\$1,237.01	\$1,237.01	\$1,237.01	\$1,237.01	\$14,373.00	Jan
MCRAUSL Machine	1	monthly	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$1,701.61	\$20,419.00	Jan
IPid V/E Analyzer	1	monthly	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$1,633.50	\$19,602.00	Jul
VS TPPLC	1	monthly	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$4,861.74	\$58,584.00	Jun
VS TPPLC	3	monthly	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$1,620.58	\$18,447.00	Oct
GSF	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,166.66	\$4,166.66	\$4,166.66	\$4,166.66	\$4,166.66	\$4,166.66	\$25,000.00	Mar
TP Input V/E F Writer	1	monthly	\$673.75	\$673.75	\$673.75	\$673.75	\$673.75	\$673.75	\$707.44	\$707.44	\$707.44	\$707.44	\$707.44	\$707.44	\$8,287.00	Jan
TP Input V/E F	1	monthly	\$673.75	\$673.75	\$673.75	\$673.75	\$673.75	\$673.75	\$707.44	\$707.44	\$707.44	\$707.44	\$707.44	\$707.44	\$8,287.00	Jan
TP Input Scanner WS	1	monthly	\$673.75	\$673.75	\$673.75	\$673.75	\$673.75	\$673.75	\$707.44	\$707.44	\$707.44	\$707.44	\$707.44	\$707.44	\$8,287.00	Jan
TP Quality Control WS-B	1	monthly	\$653.02	\$653.02	\$653.02	\$653.02	\$653.02	\$653.02	\$656.67	\$656.67	\$656.67	\$656.67	\$656.67	\$656.67	\$8,032.00	Jan
WS-B Verification	1	monthly	\$653.02	\$653.02	\$653.02	\$653.02	\$653.02	\$653.02	\$656.67	\$656.67	\$656.67	\$656.67	\$656.67	\$656.67	\$8,032.00	Jan
RAID/IB Replacement	1	monthly	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$3,058.38	\$36,701.00	Jan
FF Workstation	1	monthly	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$673.57	\$707.24	\$707.24	\$707.24	\$707.24	\$707.24	\$707.24	\$8,285.00	Jan
Verification Workstation	1	monthly	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$477.38	\$5,728.00	Jan
Verification Workstation	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$433.00	\$433.00	\$433.00	\$433.00	\$1,732.00	Mar
Line Printer	2	monthly	\$58.43	\$58.43	\$58.43	\$58.43	\$58.43	\$58.43	\$61.35	\$61.35	\$61.35	\$61.35	\$61.35	\$61.35	\$719.00	Jan
Telework Printer	1	monthly	\$163.17	\$163.17	\$163.17	\$163.17	\$163.17	\$163.17	\$171.32	\$171.32	\$171.32	\$171.32	\$171.32	\$171.32	\$2,007.00	Jan
Share and Forward	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$187.00	\$187.00	\$187.00	\$0	
Print Server	1	monthly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$187.00	\$187.00	\$187.00	\$561.00	
MONTHLY TOTAL			\$23,462.90	\$23,462.90	\$23,462.90	\$23,462.90	\$23,462.90	\$23,462.90	\$27,840.67	\$27,899.58	\$28,391.49	\$28,381.49	\$28,391.49	\$28,634.58		
ANNUAL TOTAL															\$310,237.00	

Missouri Department of Corrections

Idx TP800	2	monthly	\$1,147.83	\$1,147.83	\$1,147.83	\$1,147.83	\$1,147.83	\$1,147.83	\$1,147.83	\$1,147.83	\$1,206.22	\$1,206.22	\$1,206.22	\$1,206.22	\$14,004.00	Mar
Idx Print Server	1	monthly	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	\$174.99	\$174.99	\$174.99	\$174.99	\$2,008.00	Mar
Idx Duplex Printer	2	monthly	\$472.50	\$472.50	\$472.50	\$472.50	\$472.50	\$472.50	\$472.50	\$472.50	\$496.13	\$496.13	\$496.13	\$496.13	\$5,765.00	Mar
Idx Card Formulas	3	monthly	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$91.86	\$91.86	\$91.86	\$91.86	\$1,068.00	Sep
LSZ	3	monthly	\$0.00	\$0.00	\$0.00	\$2,073.25	\$2,073.25	\$2,073.25	\$2,073.25	\$2,073.25	\$2,073.25	\$2,073.25	\$2,073.25	\$2,073.25	\$18,659.00	Sep
LSZ Print Server	3	monthly	\$0.00	\$0.00	\$0.00	\$255.25	\$255.25	\$255.25	\$255.25	\$255.25	\$255.25	\$255.25	\$255.25	\$255.25	\$2,297.00	Sep
LSZ Duplex Printer	3	monthly	\$0.00	\$0.00	\$0.00	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$87.50	\$768.00	Sep
LSZ Card Formulas	4	monthly	\$0.00	\$0.00	\$0.00	\$116.67	\$116.67	\$116.67	\$116.67	\$116.67	\$116.67	\$116.67	\$116.67	\$116.67	\$1,050.00	Sep
MONTHLY TOTAL			\$1,874.49	\$1,874.49	\$1,874.49	\$4,407.16	\$4,407.16	\$4,407.16	\$4,407.16	\$4,407.16	\$4,500.88	\$4,500.88	\$4,500.88	\$4,500.88		
ANNUAL TOTAL															\$45,683.00	

Springfield Police Department

ITEM DESCRIPTION	1	Monthly	\$712.96	\$712.96	\$748.59	\$748.59	\$748.59	\$748.59	\$748.59	\$748.59	\$748.59	\$748.59	\$748.59	\$748.59	\$8,912.00	Mar
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St. Louis County Police Department

ITEM DESCRIPTION

Attachment A Identix Livescan Price

Part Number	Description	Price	Annual Maintenance
TP600WE	Livescan Workstation*	\$51,301	\$5,401
TP-601	Livescan Workstation Cabinet	\$2,529	\$331
	Livescan UPS	\$840	\$92
TP-617A	LAN Support (Identix)	\$1,893	\$255
TP-623/NAMSI	WSQ Support	\$2,730	\$357
TP-691	Slap to Roll Comparison	\$3,449	\$451
	MSHP AFIS Integrator	\$1,200	
	Training (Maximum of 4 Individuals)	\$1,100	
	Total	\$65,048	\$6,887
	Equipment Options		
TP-614L	Duplex Tenprint Card Printer	\$16,478	\$2,835
TP-610	Card Printer Stand	\$590	\$90
TP-613	Livescan Print Server	\$12,932	\$1,908
	Livescan Print Server - UPS	\$840	\$92
	Grand Total	\$95,988	\$11,812
	Optional Services:		
	Card Template Development Duplex (per card type)	\$5,850	\$350

* This price includes the Livescan to AFIS Connection Module.

Notes:

1. Annual maintenance price is the price for the first year following warranty. Maintenance price will escalate 5% per year for subsequent years.
2. All prices included in th attachment are valid through June 30, 2001.

Attachment B DBI Tenprinter Price

Part Number	Description	Price	Annual Maintenance
1133S	Tenprinter Model 1133S	\$53,785	\$5,288
11951-M	Direct NIST Data Transmission from 1133S	\$5,789	\$579
M107	Slap to Roll Comparison	\$3,721	\$372
M105	WSQ Software	\$2,860	\$287
M132-2	Transaction Generating Software	\$323	\$33
11921	UPS - 1133S	\$1,076	\$107
	MSHP AFIS Integraton	\$1,200	
	Tenprinter Training	\$1,100	
	Total	\$69,854	\$6,848
	Equipment Options		
TP-614L	Duplex Card Printer	\$11,756	\$1,175
TP-610	Printer Cabinet	\$753	\$76
TP-613	Livescan Print Server	\$12,932	\$1,908
	Livescan Print Server - UPS	\$840	\$92
	Grand Total	\$96,135	\$9,897
	Optional Services:		
	Card Template Development Duplex (per card type)	\$5,850	\$350

* This price includes software for up to four card or disposition formats and the Livescan to AFIS Connection Module

Notes:

1. Annual maintenance price is the price for the first year following warranty. Maintenance price will escalate 5% per year for subsequent years.
2. All prices included in th attachment are valid through June 30, 2001.
3. There is a one time \$3,600 development charge for th unique transaction number software (M132-1). [M132-2 is a per unit software license fee.]

Attachment C
Livescan Interface Price

Part Number	Description	Price	Annual Maintenance
	MSHP AFIS Integration	\$1,200	
	Livescan to AFIS Connection Module	\$5,000	
	Total	\$6,200	

Notes:

1. This interface is for livescan devices that meet the specifications of the MSHP livescan control document and have been acquired outside of this contract.
2. All prices included in this attachment are valid through June 30, 2001.

Attachment D ILS2 Livescan Price

Part Number	Description	Price	Annual Maintenance
2100-200	ILS2 Workstation*	\$53,850	\$7,351
	Livescan Workstation UPS	\$840	\$82
	Training (Maximum of 4 Individuals)	\$1,100	
	Total	\$55,790	\$7,443
	Equipment Options		
2100-290	ILS2 Palm Print Application License (ILS2 Only)	\$10,100	\$850
2400-210	ILS2 Print Server	\$10,050	\$929
2400-230	ILS2 Duplex Tenprint Card Printer	\$2,600	\$350
	Livescan Print Server - UPS	\$840	\$92
	Grand Total	\$79,380	\$8,604
	Optional Services:		
	Card Template Development Duplex (per card type)	\$5,850	\$350

*2nd year
x 5%*

7718.55

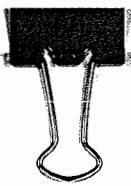
975.45
367.50
96.60
96.60

9254.70

* This price includes the Livescan to AFIS Connection Module

Notes:

1. Annual maintenance price is the price for the first year following warranty. Maintenance price will escalate 5% per year for subsequent years.
2. All prices included in th attachment are valid through June 30, 2001.



MAINTENANCE SERVICES AGREEMENT

This Agreement is made and entered into by and between SAGEM MORPHO, Inc., ("MORPHO") and the customer identified below ("Customer"). This Agreement includes, and incorporates by this reference the Basic Terms and Conditions set forth below, a Description of Supported Equipment and Software, MORPHO's Maintenance Services Agreement Terms and Conditions, and attached pricing spreadsheet(s), if relevant.

Customer (or a third party) entered into an Agreement for Purchase and Sale of Hardware and License of Software with MORPHO (the "Base Agreement") dated as of the date set forth below, pursuant to which Customer possesses the Equipment and Software (if the Base Agreement is between MORPHO and a third party, please write the name of such third party here: _____ N/A _____).

Customer hereby orders, and MORPHO hereby agrees to provide, support services for the Equipment and Software during the Term in accordance with the terms of this Agreement. It is understood that if Customer submits a purchase order for the support services which are the subject of this Agreement, such order shall be subject to all terms and conditions of this Agreement with the same force and effect as if they were included on the Customer's purchase order.

MORPHO may revoke this offer at any time prior to receipt of Customer's signature. Unless otherwise agreed, this offer shall expire if not signed and returned to MORPHO by Customer within thirty (30) days after the date of MORPHO's signature.

BASIC TERMS AND CONDITIONS

Support Agreement No.	Base Agreement Date: September 25, 2000	Effective Date: December 1, 2001
1. Customer's Site(s): Boone County Sheriff's Office, 2121 County Drive, Columbia, MO 65202		
2. Initial Annual Fee: See Additional Terms, below		
3. Additional Terms: The first year of maintenance was paid for when the equipment was ordered. The in service date was 1 December, 2000. <i>included in the initial term of contract. The 2nd year was</i> <i>3rd year Maintenance: 12/1/02 through 11/30/03 for \$9717.42</i> <i>4th year Maintenance: 12/1/03 through 11/30/04 for \$10203.28</i> <i>5th year Maintenance: 12/1/04 through 11/30/05 for \$10,713.42</i> <i>Based upon State Contract # C501940001</i>		

*MB
3-20-02*

Terms defined elsewhere in this Agreement will have the same meanings when used herein. Customer acknowledges that it has received, read, understands and agrees to all provisions contained in this Agreement and attachments hereto.

CUSTOMER: Boone County Sheriff's Office	SAGEM MORPHO, Inc.:
By (Signature): <i>[Signature]</i>	By (Signature): <i>[Signature]</i>
Printed Name: <i>Don Stampler</i>	Printed Name: <i>JEAN MARC SUCHIER</i>
Title: <i>President Commissioner</i>	Title: <i>PRESIDENT / CEO</i>
Address: <i>801 E Pearl St Columbia</i>	Address: 1145 Broadway, Suite 200 Tacoma, WA 98402
Date Signed: <i>7-23-02</i>	Date Signed: <i>2/19/2002</i>

ORIGINAL

DESCRIPTION OF SUPPORTED EQUIPMENT AND SOFTWARE

3/24/02

The Equipment shall consist of:
One (1) Integrated Live Scan System; One (1) Printer; Two (2) Uninterrupted Power Supplies

The Software shall consist of:
SAGEM® brand Integrated Live Scan System proprietary software (with print server software)

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.
June Pitchford by RF
Auditor Date
2530-60050 \$9717.42

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
 County of Boone } ea.

July Session of the May Adjourned

Term. 20 02

In the County Commission of said county, on the

23rd day of July 20 02

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 Boone County Road Improvement and Repair Cooperative Agreements:

CITY	CONTRACT AMOUNT
City of Ashland	\$25,000.00
City of Centralia	\$25,000.00
City of Hallsville	\$25,000.00
City of Harrisburg	\$22,600.00
City of Hartsburg	\$22,000.00
City of Rocheport	\$26,000.00
City of Sturgeon	\$18,340.00

It is further ordered that the Presiding Commissioner be hereby authorized to sign said agreements.

Done this 23rd day of July, 2002.

ATTEST:

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

Don Stamper
 Don Stamper
 Presiding Commissioner

Karen M. Miller
 Karen M. Miller
 District I Commissioner

Skip Elkin
 Skip Elkin
 District II Commissioner

**BOONE COUNTY ROAD IMPROVEMENT/REPAIR
COOPERATIVE AGREEMENT**

This agreement dated this 23rd day of July is made and entered into by and between Boone County Missouri, a first class non-charter county and political subdivision of the State of Missouri by and through its County Commission, herein "County" and the City of Ashland, a municipal corporation, herein "City".

WITNESSETH:

WHEREAS, the County has funding available in its Road and Bridge tax fund to provide the various cities within Boone County with monies for the repair and improvement of roads, streets and bridges in excess of its mandatory contribution required by Section 137.556 RSMo., and

WHEREAS, the City has filed a grant application with the County for use of additional available road and bridge tax funding to fund one or more road improvement or repair projects as shown in its grant application previously filed with the County, and

WHEREAS, the County is willing to enter into a cooperative agreement with the City for the improvement and/or repair of City's roads under certain terms and conditions, and

WHEREAS, both parties are empowered to enter into cooperative agreement for the purposes herein stated pursuant to section 70.220 and section 229.040 RSMo.

NOW THEREFORE IN CONSIDERATION of the mutual undertakings and agreements herein contained the parties agree as follows:

1. The County hereby agrees to pay the City the sum of Twenty Five Thousand dollars (\$25,000.00) for use in the completion of the road improvement and/or repair project specified in the City's capital improvement grant application for the

County fiscal year in which this agreement is entered, said application being attached and incorporated herein by reference.

2. In consideration of the receipt of the funds specified in paragraph 1 above the City agrees to abide by the following terms and conditions:

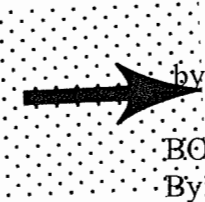
- a. The City shall expend the funds received from the County under this agreement solely and only for paying for the work related and described in the grant application and for no other purposes.
- b. The City agrees that it shall submit to an audit by the County or its designated auditor upon request for purposes of determining whether the funds received by the City from the County under this agreement have been expended in compliance with this agreement.
- c. The City agrees that it shall reimburse the County for any funds paid to it under this agreement which are expended in violation of this agreement or applicable law, rule or regulation.
- d. It is agreed that the City shall be liable for, and agrees to be liable for, and shall indemnify, defend and hold the County of Boone harmless from all claims, suits, judgments or damages including court costs and attorney's fees arising out of or in the course of the operation of this agreement.
- e. The City agrees that for any work not performed by the City's own employees it shall comply with all applicable competitive bidding statutes or ordinances, the state prevailing wage law, domestic products purchase laws and such other laws, rules and regulations which are applicable to the

City in letting and carrying out contracts for public works and improvements.

- 3. The signatories to this agreement by signing this agreement represent that they have obtained authority by order or ordinance to enter into this agreement on behalf of the respective parties hereto and bind such parties to all terms and conditions contained herein.
- 4. This agreement shall be binding upon and enure to the benefit of the parties hereto and their successors in interest.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed by their duly authorized officers on day and year indicated by their signature below.

H
E
R
E



BOONE COUNTY MISSOURI

By:

[Handwritten Signature]

Presiding Commissioner
Boone County Commission

Date: 7-23-02

ATTEST:

Wendy S. Noren
County Clerk

APPROVED AS TO FORM:

[Handwritten Signature]
County Attorney

CERTIFICATION:

I certify this contract as with the purpose of the appropriations to which it is charged and that there is an unencumbered balance to the credit of such appropriations sufficient to pay therefore.

Jane C. Pitchford
Auditor

2049-71450 \$25,000

City of Ashland

By:

[Handwritten Signature]
Mayor

Date: March 27, 02

ATTEST:

Darla Dapp
City Clerk

APPROVED AS TO FORM:

[Handwritten Signature]
City Attorney

Date: 7/18/02

7/12/02

PURCHASE REQUISITION BOONE COUNTY, MISSOURI

DATE

197

CITY OF ASHLAND

VENDOR NO.

VENDOR NAME

PHONE #

107 W. BROADWAY ST.

ASHLAND

MO 65010

ADDRESS

CITY

STATE ZIP

322-2002

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)

JUL 16 2002

Ship To Department # 2049

Bill To Department # 2049

Department				Account					Item Description	Qty	Unit Price	Amount
2	0	4	9	7	1	4	5	0	25% STARTUP ROAD REPAIR/IMPROVEMENTS	1	6250.00	6250.00
2	0	4	9	7	1	4	5	0	65% BID AWARD ROAD REPAIR/IMPROVEMENTS	1	16250.00	16250.00
2	0	4	9	7	1	4	5	0	10% COMPLETION ROAD REPAIR/IMPROVEMENTS	1	2500.00	2500.00
CLERK'S OFFICE												
*DO NOT UNSTAPLE THESE PAGES												
*THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN TO AUDITOR'S OFFICE.												
											25000.00	

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.

Requesting Official

Auditor Approval

**BOONE COUNTY ROAD IMPROVEMENT/REPAIR
COOPERATIVE AGREEMENT**

This agreement dated this 23rd day of July is made and entered into by and between Boone County Missouri, a first class non-charter county and political subdivision of the State of Missouri by and through its County Commission, herein "County" and the City of Centralia, a municipal corporation, herein "City".

WITNESSETH:

WHEREAS, the County has funding available in its Road and Bridge tax fund to provide the various cities within Boone County with monies for the repair and improvement of roads, streets and bridges in excess of its mandatory contribution required by Section 137.556 RSMo., and

WHEREAS, the City has filed a grant application with the County for use of additional available road and bridge tax funding to fund one or more road improvement or repair projects as shown in its grant application previously filed with the County, and

WHEREAS, the County is willing to enter into a cooperative agreement with the City for the improvement and/or repair of City's roads under certain terms and conditions, and

WHEREAS, both parties are empowered to enter into cooperative agreement for the purposes herein stated pursuant to section 70.220 and section 229.040 RSMo.

NOW THEREFORE IN CONSIDERATION of the mutual undertakings and agreements herein contained the parties agree as follows:

1. The County hereby agrees to pay the City the sum of Twenty Five Thousand dollars (\$25,000.00) for use in the completion of the road improvement and/or repair project specified in the City's capital improvement grant application for the

County fiscal year in which this agreement is entered, said application being attached and incorporated herein by reference.

2. In consideration of the receipt of the funds specified in paragraph 1 above the City agrees to abide by the following terms and conditions:
 - a. The City shall expend the funds received from the County under this agreement solely and only for paying for the work related and described in the grant application and for no other purposes.
 - b. The City agrees that it shall submit to an audit by the County or its designated auditor upon request for purposes of determining whether the funds received by the City from the County under this agreement have been expended in compliance with this agreement.
 - c. The City agrees that it shall reimburse the County for any funds paid to it under this agreement which are expended in violation of this agreement or applicable law, rule or regulation.
 - d. It is agreed that the City shall be liable for, and agrees to be liable for, and shall indemnify, defend and hold the County of Boone harmless from all claims, suits, judgments or damages including court costs and attorney's fees arising out of or in the course of the operation of this agreement.
 - e. The City agrees that for any work not performed by the City's own employees it shall comply with all applicable competitive bidding statutes or ordinances, the state prevailing wage law, domestic products purchase laws and such other laws, rules and regulations which are applicable to the

City in letting and carrying out contracts for public works and improvements.

- The signatories to this agreement by signing this agreement represent that they have obtained authority by order or ordinance to enter into this agreement on behalf of the respective parties hereto and bind such parties to all terms and conditions contained herein.
- This agreement shall be binding upon and enure to the benefit of the parties hereto and their successors in interest.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed by their duly authorized officers on day and year indicated by their signature below.

BOONE COUNTY MISSOURI

By:

Wm. Stamps
Presiding Commissioner
Boone County Commission

Date:

7-23-02

ATTEST:

Wendy J. Nolan
County Clerk

APPROVED AS TO FORM:

[Signature]
County Attorney

CERTIFICATION:

I certify this contract as with the purpose of the appropriations to which it is charged and that there is an unencumbered balance to the credit of such appropriations sufficient to pay therefore.

June E. Pitchford
Auditor

[Signature]
2049-71450

Date:

7/18/02

City of Centralia

By:

Gene C. Berch
Mayor

Date:

3-19-02

ATTEST:

Kathy Colvin
City Clerk

APPROVED AS TO FORM:

[Signature]
City Attorney

**BOONE COUNTY ROAD IMPROVEMENT/REPAIR
COOPERATIVE AGREEMENT**

This agreement dated this 25th day of February is made and entered into by and between Boone County Missouri, a first class non-charter county and political subdivision of the State of Missouri by and through its County Commission, herein "County" and the City of Hallsville, a municipal corporation, herein "City".

WITNESSETH:

WHEREAS, the County has funding available in its Road and Bridge tax fund to provide the various cities within Boone County with monies for the repair and improvement of roads, streets and bridges in excess of its mandatory contribution required by Section 137.556 RSMo., and

WHEREAS, the City has filed a grant application with the County for use of additional available road and bridge tax funding to fund one or more road improvement or repair projects as shown in its grant application previously filed with the County, and

WHEREAS, the County is willing to enter into a cooperative agreement with the City for the improvement and/or repair of City's roads under certain terms and conditions, and

WHEREAS, both parties are empowered to enter into cooperative agreement for the purposes herein stated pursuant to section 70.220 and section 229.040 RSMo.

NOW THEREFORE IN CONSIDERATION of the mutual undertakings and agreements herein contained the parties agree as follows:

1. The County hereby agrees to pay the City the sum of Twenty Five Thousand dollars (\$25,000.00) for use in the completion of the road improvement and/or repair project specified in the City's capital improvement grant application for the

County fiscal year in which this agreement is entered, said application being attached and incorporated herein by reference.

2. In consideration of the receipt of the funds specified in paragraph 1 above the City agrees to abide by the following terms and conditions:
 - a. The City shall expend the funds received from the County under this agreement solely and only for paying for the work related and described in the grant application and for no other purposes.
 - b. The City agrees that it shall submit to an audit by the County or its designated auditor upon request for purposes of determining whether the funds received by the City from the County under this agreement have been expended in compliance with this agreement.
 - c. The City agrees that it shall reimburse the County for any funds paid to it under this agreement which are expended in violation of this agreement or applicable law, rule or regulation.
 - d. It is agreed that the City shall be liable for, and agrees to be liable for, and shall indemnify, defend and hold the County of Boone harmless from all claims, suits, judgments or damages including court costs and attorney's fees arising out of or in the course of the operation of this agreement.
 - e. The City agrees that for any work not performed by the City's own employees it shall comply with all applicable competitive bidding statutes or ordinances, the state prevailing wage law, domestic products purchase laws and such other laws, rules and regulations which are applicable to the

City in letting and carrying out contracts for public works and improvements.

3. The signatories to this agreement by signing this agreement represent that they have obtained authority by order or ordinance to enter into this agreement on behalf of the respective parties hereto and bind such parties to all terms and conditions contained herein.
4. This agreement shall be binding upon and enure to the benefit of the parties hereto and their successors in interest.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed by their duly authorized officers on day and year indicated by their signature below.

BOONE COUNTY MISSOURI

By:

Presiding Commissioner
Boone County Commission

Date:

7-23-02

ATTEST:

Wendy J. Noren
County Clerk

APPROVED AS TO FORM:

County Attorney

CERTIFICATION

I certify this contract as with the purpose of the appropriations to which it is charged and that there is an unencumbered balance to the credit of such appropriations sufficient to pay therefore.

Jane E. Pitchford
Auditor

2049-71450 \$25,000

City of Hallsville

By:

Mayor Carl M. South

Date:

February 25, 2002

ATTEST:

Cheri J. Reisch
City Clerk Cheri T. Reisch

APPROVED AS TO FORM:

John L. Whiteside
City Attorney John L. Whiteside

Date: 7/18/02

7/12/02

PURCHASE REQUISITION BOONE COUNTY, MISSOURI

DATE

202

CITY OF HALLSVILLE

VENDOR NO.

VENDOR NAME

PHONE #

PO BOX 170

HALLSVILLE

MO 65255

ADDRESS

CITY

STATE ZIP

322-2002

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 # 2049

Bill To Department # 2049

Department	Account	Item Description	Qty	Unit Price	Amount
0 4 9	7 1 4 5 0	25% STARTUP ROAD REPAIR/IMPROVEMENTS	1	6250.00	6250.00
2 0 4 9	7 1 4 5 0	65% BID AWARD ROAD REPAIR/IMPROVEMENTS	1	16250.00	16250.00
2 0 4 9	7 1 4 5 0	10% COMPLETION ROAD REPAIR/IMPROVEMENTS	1	2500.00	2500.00
CLERK'S OFFICE					
*DO NOT UNSTAPLE THESE PAGES					
*THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN T AUDITOR'S OFFICE.					
					25000.00

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.

Requesting Official

Auditor Approval

**BOONE COUNTY ROAD IMPROVEMENT/REPAIR
COOPERATIVE AGREEMENT**

This agreement dated this 23rd day of July is made and entered into by and between Boone County Missouri, a first class non-charter county and political subdivision of the State of Missouri by and through its County Commission, herein "County" and the City of Harrisburg, a municipal corporation, herein "City".

WITNESSETH:

WHEREAS, the County has funding available in its Road and Bridge tax fund to provide the various cities within Boone County with monies for the repair and improvement of roads, streets and bridges in excess of its mandatory contribution required by Section 137.556 RSMo., and

WHEREAS, the City has filed a grant application with the County for use of additional available road and bridge tax funding to fund one or more road improvement or repair projects as shown in its grant application previously filed with the County, and

WHEREAS, the County is willing to enter into a cooperative agreement with the City for the improvement and/or repair of City's roads under certain terms and conditions, and

WHEREAS, both parties are empowered to enter into cooperative agreement for the purposes herein stated pursuant to section 70.220 and section 229.040 RSMo.

NOW THEREFORE IN CONSIDERATION of the mutual undertakings and agreements herein contained the parties agree as follows:

1. The County hereby agrees to pay the City the sum of Twenty Two Thousand Six Hundred dollars (\$22,600.00) for use in the completion of the road improvement and/or repair project specified in the City's capital improvement grant application

for the County fiscal year in which this agreement is entered, said application being attached and incorporated herein by reference.

2. In consideration of the receipt of the funds specified in paragraph 1 above the City agrees to abide by the following terms and conditions:
 - a. The City shall expend the funds received from the County under this agreement solely and only for paying for the work related and described in the grant application and for no other purposes.
 - b. The City agrees that it shall submit to an audit by the County or its designated auditor upon request for purposes of determining whether the funds received by the City from the County under this agreement have been expended in compliance with this agreement.
 - c. The City agrees that it shall reimburse the County for any funds paid to it under this agreement which are expended in violation of this agreement or applicable law, rule or regulation.
 - d. It is agreed that the City shall be liable for, and agrees to be liable for, and shall indemnify, defend and hold the County of Boone harmless from all claims, suits, judgments or damages including court costs and attorney's fees arising out of or in the course of the operation of this agreement.
 - e. The City agrees that for any work not performed by the City's own employees it shall comply with all applicable competitive bidding statutes or ordinances, the state prevailing wage law, domestic products purchase laws and such other laws, rules and regulations which are applicable to the

City in letting and carrying out contracts for public works and improvements.

3. The signatories to this agreement by signing this agreement represent that they have obtained authority by order or ordinance to enter into this agreement on behalf of the respective parties hereto and bind such parties to all terms and conditions contained herein.
4. This agreement shall be binding upon and enure to the benefit of the parties hereto and their successors in interest.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed by their duly authorized officers on day and year indicated by their signature below.

BOONE COUNTY MISSOURI

By:

Wm Stamps
Presiding Commissioner
Boone County Commission

Date: 7-23-02

ATTEST:

Wendy S. Noren
County Clerk

APPROVED AS TO FORM:

[Signature]
County Attorney

CERTIFICATION:

I certify this contract as with the purpose of the appropriations to which it is charged and that there is an unencumbered balance to the credit of such appropriations sufficient to pay therefor.

June E. Pitchford
Auditor

by
2049-71450 \$22,600

City of Harrisburg

By:

* *Jamie E. Carter*
Mayor

* Date: 3-4-2002

ATTEST:

Kathy Wilhite
City Clerk

APPROVED AS TO FORM:

John Whiteside
City Attorney

Date: 7/18/02

7/12/02

PURCHASE REQUISITION BOONE COUNTY, MISSOURI

DATE

203

CITY OF HARRISBURG

VENDOR NO.

VENDOR NAME

PHONE #

PO BOX 97

HARRISBURG

MO

65256

ADDRESS

CITY

STATE

ZIP

322-2002

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 # 2049

Bill To Department # 2049

Department				Account				Item Description	Qty	Unit Price	Amount
2	0	4	9	7	1	4	5 0	25% STARTUP ROAD REPAIR/IMPROVEMENTS	1	5650.00	5650.00
2	0	4	9	7	1	4	5 0	65% BID AWARD ROAD REPAIR/IMPROVEMENTS	1	14690.00	14690.00
2	0	4	9	7	1	4	5 0	10% COMPLETION ROAD REPAIR/IMPROVEMENTS	1	2260.00	2260.00
CLERK'S OFFICE											
*DO NOT UNSTAPLE THESE PAGES											
*THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN IT AUDITOR'S OFFICE.											
											22600.00

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.


Requesting Official


Auditor Approval

**BOONE COUNTY ROAD IMPROVEMENT/REPAIR
COOPERATIVE AGREEMENT**

This agreement dated this 23rd day of July is made and entered into by and between Boone County Missouri, a first class non-charter county and political subdivision of the State of Missouri by and through its County Commission, herein "County" and the City of Hartsburg, a municipal corporation, herein "City".

WITNESSETH:

WHEREAS, the County has funding available in its Road and Bridge tax fund to provide the various cities within Boone County with monies for the repair and improvement of roads, streets and bridges in excess of its mandatory contribution required by Section 137.556 RSMo., and

WHEREAS, the City has filed a grant application with the County for use of additional available road and bridge tax funding to fund one or more road improvement or repair projects as shown in its grant application previously filed with the County, and

WHEREAS, the County is willing to enter into a cooperative agreement with the City for the improvement and/or repair of City's roads under certain terms and conditions, and

WHEREAS, both parties are empowered to enter into cooperative agreement for the purposes herein stated pursuant to section 70.220 and section 229.040 RSMo.

NOW THEREFORE IN CONSIDERATION of the mutual undertakings and agreements herein contained the parties agree as follows:

1. The County hereby agrees to pay the City the sum of Twenty Two Thousand dollars (\$22,000.00) for use in the completion of the road improvement and/or repair project specified in the City's capital improvement grant application for the

County fiscal year in which this agreement is entered, said application being attached and incorporated herein by reference.

2. In consideration of the receipt of the funds specified in paragraph 1 above the City agrees to abide by the following terms and conditions:
 - a. The City shall expend the funds received from the County under this agreement solely and only for paying for the work related and described in the grant application and for no other purposes.
 - b. The City agrees that it shall submit to an audit by the County or its designated auditor upon request for purposes of determining whether the funds received by the City from the County under this agreement have been expended in compliance with this agreement.
 - c. The City agrees that it shall reimburse the County for any funds paid to it under this agreement which are expended in violation of this agreement or applicable law, rule or regulation.
 - d. It is agreed that the City shall be liable for, and agrees to be liable for, and shall indemnify, defend and hold the County of Boone harmless from all claims, suits, judgments or damages including court costs and attorney's fees arising out of or in the course of the operation of this agreement.
 - e. The City agrees that for any work not performed by the City's own employees it shall comply with all applicable competitive bidding statutes or ordinances, the state prevailing wage law, domestic products purchase laws and such other laws, rules and regulations which are applicable to the

City in letting and carrying out contracts for public works and improvements.

3. The signatories to this agreement by signing this agreement represent that they have obtained authority by order or ordinance to enter into this agreement on behalf of the respective parties hereto and bind such parties to all terms and conditions contained herein.
4. This agreement shall be binding upon and enure to the benefit of the parties hereto and their successors in interest.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed by their duly authorized officers on day and year indicated by their signature below.

BOONE COUNTY MISSOURI

By:

NW Stamps
Presiding Commissioner
Boone County Commission

Date: 7-23-02

ATTEST:

Wendy J. Now
County Clerk

APPROVED AS TO FORM:

[Signature]
County Attorney

CERTIFICATION:

I certify this contract as with the purpose of the appropriations to which it is charged and that there is an unencumbered balance to the credit of such appropriations sufficient to pay therefore.

Jane C. Pitalford
Auditor
by se
2049-71450 *22,000

City of Hartsburg

By:

Nancy Grant
Mayor

Date: 3/6/02

ATTEST:

Carl Thomas
City Clerk

APPROVED AS TO FORM:

[Signature]
City Attorney

Date: 7/18/02

7/12/02

PURCHASE REQUISITION BOONE COUNTY, MISSOURI

DATE

204

CITY OF HARTSBURG

VENDOR NO.

VENDOR NAME

PHONE #

PO BOX 37

HARTSBURG

MO 65039

ADDRESS

CITY

STATE ZIP

322-2002

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 # 2049

Bill To Department # 2049

Department				Account					Item Description	Qty	Unit Price	Amount
2	0	4	9	7	1	4	5	0	25% STARTUP ROAD REPAIR/IMPROVEMENTS	1	5500.00	5500.00
2	0	4	9	7	1	4	5	0	65% BID AWARD ROAD REPAIR/IMPROVEMENTS	1	14300.00	14300.00
2	0	4	9	7	1	4	5	0	10% COMPLETION ROAD REPAIR/IMPROVEMENTS	1	2200.00	2200.00
CLERK'S OFFICE *DO NOT UNSTAPLE THESE PAGES *THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN T AUDITOR'S OFFICE.												
											22000.00	

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.

Requesting Official

Auditor Approval

**BOONE COUNTY ROAD IMPROVEMENT/REPAIR
COOPERATIVE AGREEMENT**

This agreement dated this 1st day of April '02 is made and entered into by and between Boone County Missouri, a first class non-charter county and political subdivision of the State of Missouri by and through its County Commission, herein "County" and the City of Rocheport, a municipal corporation, herein "City".

WITNESSETH:

WHEREAS, the County has funding available in its Road and Bridge tax fund to provide the various cities within Boone County with monies for the repair and improvement of roads, streets and bridges in excess of its mandatory contribution required by Section 137.556 RSMo., and

WHEREAS, the City has filed a grant application with the County for use of additional available road and bridge tax funding to fund one or more road improvement or repair projects as shown in its grant application previously filed with the County, and

WHEREAS, the County is willing to enter into a cooperative agreement with the City for the improvement and/or repair of City's roads under certain terms and conditions, and

WHEREAS, both parties are empowered to enter into cooperative agreement for the purposes herein stated pursuant to section 70.220 and section 229.040 RSMo.

NOW THEREFORE IN CONSIDERATION of the mutual undertakings and agreements herein contained the parties agree as follows:

1. The County hereby agrees to pay the City the sum of Twenty Six Thousand dollars (\$26,000.00) for use in the completion of the road improvement and/or repair project specified in the City's capital improvement grant application for the

County fiscal year in which this agreement is entered, said application being attached and incorporated herein by reference.

2. In consideration of the receipt of the funds specified in paragraph 1 above the City agrees to abide by the following terms and conditions:
 - a. The City shall expend the funds received from the County under this agreement solely and only for paying for the work related and described in the grant application and for no other purposes.
 - b. The City agrees that it shall submit to an audit by the County or its designated auditor upon request for purposes of determining whether the funds received by the City from the County under this agreement have been expended in compliance with this agreement.
 - c. The City agrees that it shall reimburse the County for any funds paid to it under this agreement which are expended in violation of this agreement or applicable law, rule or regulation.
 - d. It is agreed that the City shall be liable for, and agrees to be liable for, and shall indemnify, defend and hold the County of Boone harmless from all claims, suits, judgments or damages including court costs and attorney's fees arising out of or in the course of the operation of this agreement.
 - e. The City agrees that for any work not performed by the City's own employees it shall comply with all applicable competitive bidding statutes or ordinances, the state prevailing wage law, domestic products purchase laws and such other laws, rules and regulations which are applicable to the

City in letting and carrying out contracts for public works and improvements.

- 3. The signatories to this agreement by signing this agreement represent that they have obtained authority by order or ordinance to enter into this agreement on behalf of the respective parties hereto and bind such parties to all terms and conditions contained herein.
- 4. This agreement shall be binding upon and enure to the benefit of the parties hereto and their successors in interest.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed by their duly authorized officers on day and year indicated by their signature below.

BOONE COUNTY MISSOURI

By:

Mark Stamps

Presiding Commissioner
Boone County Commission

Date: 3-23-02

ATTEST:

Wendy S. Noren
County Clerk

APPROVED AS TO FORM:

[Signature]
County Attorney

CERTIFICATION:

I certify this contract as with the purpose of the appropriations to which it is charged and that there is an unencumbered balance to the credit of such appropriations sufficient to pay therefore.

Jane C. Pitchford
Auditor
2049-71450 + 26,000

City of Rocheport

By:

Frances L. Lerner
Mayor

Date: 4-1-02

ATTEST:

Shirley M. Jenkins
City Clerk

APPROVED AS TO FORM:

[Signature]
City Attorney

Date: 7/18/02

7/12/02

PURCHASE REQUISITION BOONE COUNTY, MISSOURI

DATE

205

CITY OF ROCHEPORT

VENDOR NO.

VENDOR NAME

PHONE #

PO BOX 53

ROCHEPORT

MO 65279

ADDRESS

CITY

STATE ZIP

322-2002

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

JUL 18 2002

#

(Enter Applicable Bid / Sole Source / Emergency Number)

Ship To Department # 2049

Bill To Department # 2049

Department				Account					Item Description	Qty	Unit Price	Amount
2	0	4	9	7	1	4	5	0	25% STARTUP ROAD REPAIR/IMPROVEMENTS	1	6500.00	6500.00
2	0	4	9	7	1	4	5	0	65% BID AWARD ROAD REPAIR/IMPROVEMENTS	1	16900.00	16900.00
2	0	4	9	7	1	4	5	0	10% COMPLETION ROAD REPAIR/IMPROVEMENTS	1	2600.00	2600.00
CLERK'S OFFICE *DO NOT UNSTAPLE THESE PAGES *THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN TO AUDITOR'S OFFICE.												
											26000.00	

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.

Requesting Official

Auditor Approval

**BOONE COUNTY ROAD IMPROVEMENT/REPAIR
COOPERATIVE AGREEMENT**

This agreement dated this 23rd day of July is made and entered into by and between Boone County Missouri, a first class non-charter county and political subdivision of the State of Missouri by and through its County Commission, herein "County" and the City of Sturgeon, a municipal corporation, herein "City".

WITNESSETH:

WHEREAS, the County has funding available in its Road and Bridge tax fund to provide the various cities within Boone County with monies for the repair and improvement of roads, streets and bridges in excess of its mandatory contribution required by Section 137.556 RSMo., and

WHEREAS, the City has filed a grant application with the County for use of additional available road and bridge tax funding to fund one or more road improvement or repair projects as shown in its grant application previously filed with the County, and

WHEREAS, the County is willing to enter into a cooperative agreement with the City for the improvement and/or repair of City's roads under certain terms and conditions, and

WHEREAS, both parties are empowered to enter into cooperative agreement for the purposes herein stated pursuant to section 70.220 and section 229.040 RSMo.

NOW THEREFORE IN CONSIDERATION of the mutual undertakings and agreements herein contained the parties agree as follows:

1. The County hereby agrees to pay the City the sum of Eighteen Thousand Three Hundred Forty dollars (\$18,340.00) for use in the completion of the road improvement and/or repair project specified in the City's capital improvement

grant application for the County fiscal year in which this agreement is entered, said application being attached and incorporated herein by reference.

2. In consideration of the receipt of the funds specified in paragraph 1 above the City agrees to abide by the following terms and conditions:

- a. The City shall expend the funds received from the County under this agreement solely and only for paying for the work related and described in the grant application and for no other purposes.
- b. The City agrees that it shall submit to an audit by the County or its designated auditor upon request for purposes of determining whether the funds received by the City from the County under this agreement have been expended in compliance with this agreement.
- c. The City agrees that it shall reimburse the County for any funds paid to it under this agreement which are expended in violation of this agreement or applicable law, rule or regulation.
- d. It is agreed that the City shall be liable for, and agrees to be liable for, and shall indemnify, defend and hold the County of Boone harmless from all claims, suits, judgments or damages including court costs and attorney's fees arising out of or in the course of the operation of this agreement.
- e. The City agrees that for any work not performed by the City's own employees it shall comply with all applicable competitive bidding statutes or ordinances, the state prevailing wage law, domestic products purchase laws and such other laws, rules and regulations which are applicable to the

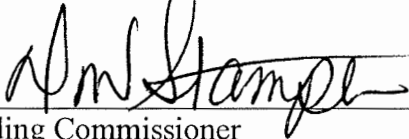
City in letting and carrying out contracts for public works and improvements.

3. The signatories to this agreement by signing this agreement represent that they have obtained authority by order or ordinance to enter into this agreement on behalf of the respective parties hereto and bind such parties to all terms and conditions contained herein.
4. This agreement shall be binding upon and enure to the benefit of the parties hereto and their successors in interest.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed by their duly authorized officers on day and year indicated by their signature below.

BOONE COUNTY MISSOURI

By:



Presiding Commissioner
Boone County Commission

Date:

7-23-02

ATTEST:

Wendy J. Moran
County Clerk

APPROVED AS TO FORM:

County Attorney

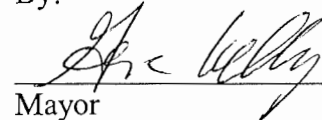
CERTIFICATION:

I certify this contract as with the purpose of the appropriations to which it is charged and that there is an unencumbered balance to the credit of such appropriations sufficient to pay therefore.

Jane C. Pitchford
Auditor
2049-71450 \$18,340

City of Sturgeon

By:



Mayor

Date:

4-24-02

ATTEST:

Jean Vore
City Clerk

APPROVED AS TO FORM:

City Attorney

Date: 7/18/02

7/12/02

PURCHASE REQUISITION BOONE COUNTY, MISSOURI

DATE

206

CITY OF STURGEON

VENDOR NO.

VENDOR NAME

PHONE #

PO BOX 387

STURGEON

MO 65284

ADDRESS

CITY

STATE ZIP

322-2002

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 # 2049

Bill To Department # 2049

Department				Account				Item Description	Qty	Unit Price	Amount	
2	0	4	9	7	1	4	5	0	25% STARTUP ROAD REPAIR/IMPROVEMENTS	1	4585.00	4585.00
2	0	4	9	7	1	4	5	0	65% BID AWARD ROAD REPAIR/IMPROVEMENTS	1	11921.00	11921.00
2	0	4	9	7	1	4	5	0	10% COMPLETION ROAD REPAIR/IMPROVEMENTS	1	1834.00	1834.00
<p>CLERK'S OFFICE</p> <p>*DO NOT UNSTAPLE THESE PAGES</p> <p>*THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN T AUDITOR'S OFFICE.</p>												
18340.00												

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.

Requesting Official

Auditor Approval

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
 County of Boone } ea.

July Session of the May Adjourned Term. 20 02

In the County Commission of said county, on the 23rd day of July 20 02
 the following, among other proceedings, were had, viz:

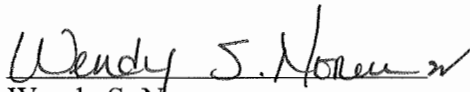
Now on this day, the County Commission of the County of Boone does hereby approve the General Consultant Services Agreement with Terracon. It is further ordered that the Presiding Commissioner be hereby authorized to sign said agreements.

Done this 23rd day of July, 2002.



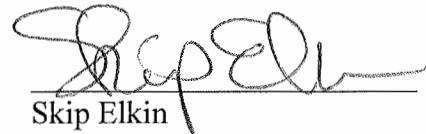
Don Stamper
 Presiding Commissioner

ATTEST:


 Wendy S. Noren
 Clerk of the County Commission



Karen M. Miller
 District I Commissioner



Skip Elkin
 District II Commissioner

GENERAL CONSULTANT SERVICES AGREEMENT

THIS AGREEMENT dated this 23rd day of July, 2002, by and between Boone County, Missouri, a first class county and political subdivision of the state of Missouri through its County Commission, (herein "Owner") and Terracon (herein "Consultant").

RECEIVED
JUL 18 2002

IN CONSIDERATION OF the performance of the services rendered under this Agreement and payment for such services, the parties agree to the following:

1. **Services** - As authorized by the Owner in writing, the Consultant shall provide the Owner all engineering, surveying, and other professional services for the benefit of the Owner as prescribed by the Owner based upon requests for proposals for projects assigned during the term of this agreement and the Consultant shall provide the Owner, as applicable, with the services, reports, studies, surveys, plans, specifications, and other work required by the Owner's request for proposal. Consultant agrees to provide all such services in a timely manner as established by the Owner in writing for each assigned project, or in the absence of the designation, within a reasonable time after receipt of Owner directives. Consultant agrees to provide services by and through qualified personnel under standards and conditions generally accepted by professionals in the field or occupations for which services are provided. Services shall be provided based only upon requests for proposals provided to the Consultant by the Owner or Owner's representative and to which the Consultant prepares and submits a written proposal for services which is approved by the Owner in writing. No work shall be performed nor shall compensation be paid for Consultant work performed without an Owner approved written proposal for professional services. Proposals for services shall be in written form, as required by the request for proposal, and shall be specifically responsive to the criteria provided by the Owner in its request for proposal. All work performed by the Consultant, based upon Owner approved proposals submitted by the Consultant, shall be subject to the terms and conditions of this agreement unless otherwise specifically agreed upon by the Owner and Consultant in writing. All proposals for work submitted by the Consultant to the Owner for work shall at a minimum contain the following:

1.1 **Scope of Services** - Each proposal for services shall contain a detailed description of work to be performed by the Consultant. When the Owner provides the Consultant with a written and/or graphic request for proposal, the Consultant's proposal shall be responsive to the request with the same or greater level of specificity required by the request for proposal. The Consultant shall specifically identify services which are included as basic services and those services which are excluded from basic services in the proposal. Services which the Consultant does not identify as excluded from basic services under the proposal and which are necessary for successful completion of the work in the judgment of the Owner shall be presumed to be a part of basic services under the proposal. If a request for proposal requires the Consultant to provide optional services, the Consultant's proposal shall respond to the options requested, or provide reasons why the Consultant cannot provide or respond to the request for optional services.

1.2 **Time for Completion** - Each proposal for services shall contain a detailed description of the estimated time to complete each task or item of work to be performed by the Consultant under the proposal. When the Owner provides the Consultant with a written and/or graphic request for proposal, the Consultant's proposal shall be responsive to any request for estimated or maximum completion times for work with the same or greater level of specificity required by the request for proposal.

1.3 **Compensation** - Each proposal for services shall state the basis of compensation on either: (1) an hourly fee plus expense basis with a statement of a maximum compensation to be charged, or, (2) a lump sum payment of compensation for all work to be performed, or, (3) a payment based upon unit prices. Proposals for compensation for an hourly fee plus expense basis shall provide detailed time and expense estimates to support a maximum contract amount to be charged and shall be consistent with the hourly rates, unit prices and reimbursement rates made a part of this agreement by reference in paragraph two (2) below. When the Owner or Owner's representative requests the Consultant to provide work on an hourly fee plus expense basis, the Consultant's proposal shall be responsive to the request and shall not propose payment on another basis unless otherwise authorized. Unit price proposals shall identify and estimate the quantity of units as a part of the proposal when they can be identified and estimated, or as necessary in response to a particular request for proposal requesting such information. Each proposal for services shall also state a proposed payment schedule at a frequency no greater than monthly in such amounts as are consistent with amount of work to be performed and billed. Reimbursable expenses proposed shall be specifically identified and estimated as a part of the proposal with a statement of the maximum amount to be charged unless the Owner's request for proposal specifies otherwise.

1.4 **Signatures** - Consultant proposals for services under this agreement shall be signed and dated by the Consultant or an authorized representative of the Consultant (as applicable), and shall be considered binding offers to contract open for acceptance by the Owner for an indefinite duration unless limited in the proposal or withdrawn prior to acceptance by the Owner. All proposals for services under this agreement shall be on forms approved by the Owner; use of the signature block shown in this agreement on a proposal for services shall be considered an adequate signature block. In the absence of an Owner provided form, the signature block shall contain a signature line for Boone County, Missouri by its Presiding Commissioner, a signature line for attestation by the County Clerk, a signature line approving the proposal by the Director of Public Works, and a signature line for the County Attorney approving the proposal as to legal form. In addition, the signature block shall contain a line for insertion of the date the proposal is approved by the Owner.

2. **Compensation** - In consideration for the Consultant's provision of services under this agreement, the Owner agrees to compensate the Consultant for services rendered in accordance with the hourly rates, unit prices and reimbursement rates for expenses set forth in the schedule for hourly rates and expense charges to be in effect for the calendar year of this agreement which is either attached to this agreement or maintained on file with the Boone County Public Works Department and is hereby incorporated by reference. No increases in the rates and charges set forth in the attached schedule shall be permitted for this calendar year without the written authorization of the Owner. Payments shall be made within thirty (30) days

of receipt of invoice by the Owner. Invoices shall be submitted periodically as mutually agreed upon by the Owner and Consultant, or in the absence of such agreement, upon completion of the work constituting the task or project for which services are provided. Invoices for services on an hourly fee plus expense basis shall individually describe the task or project by name, show hours expended by classes of personnel in increments of not less than one-half hour and rates applied, as well as describe work performed during the invoice period; reimbursable expenses shall be itemized. Invoices for services performed on a unit price basis shall identify the task or project by name, identify and quantify units charged for services during the invoice period. Invoices for services on a lump sum basis shall identify the task or project by name and the invoiced amount. Periodic invoices shall not exceed the amounts permitted in the Consultant's proposal approved by the Owner. The Owner reserves the right to withhold payment for inadequately documented invoices until documented as required herein. The Owner further reserves the right to withhold payments for unperformed work or work not performed on a timely basis in accordance with the Consultant's proposal when delays in performance of services are not attributable to the Owner, or as a result of a billing dispute between the Owner and Consultant. However, Owner agrees to pay interest at a rate of nine percent (9%) annum on any disputed billed amounts for which payments are withheld beyond thirty (30) days of invoice if and to the extent that those disputed amounts are resolved in favor of the Consultant.

3. **Owner Responsibilities** - Owner agrees to furnish Consultant with all current and available information for each task or project assigned to Consultant, along any any information necessitated by changes in work or services initiated by the Owner which may effect services rendered thereunder.

4. **Coordination of Work and Work Product** - Consultant shall coordinate all work with the Owner's designated representative for each task or project assigned to Consultant and submit to the Owner's representative all work product in written or graphic form (and in electronic form if requested) as applicable or required. All reports, surveys, test data, memoranda, samples, plans, specifications, and other documents or materials submitted by or to the Owner shall be considered the property of the Owner. When available and requested by the Owner, work product shall be provided in electronic form at actual cost in media compatible for use with Owner software and equipment.

5. **Insurance** - Consultant shall procure and maintain professional liability insurance in such amounts as are deemed mutually agreeable to the parties and approved by the Owner or the Owner's representative in writing within thirty (30) days of this Agreement. Consultant shall also maintain general public liability insurance with coverages no less than \$2,000,000.00 per occurrence, and worker's compensation insurance as required by state law. Failure of Consultant to obtain or maintain such insurance during this contract, or to provide proper proofs thereof upon request of the Owner, shall not diminish, waive or otherwise reduce the Consultant's obligations to maintain such insurance coverage and Consultant shall indemnify and hold the Owner and all its personnel harmless from and against any and all claims, damages, losses and expenses, including reasonable attorney's fees and litigation costs, arising out of or resulting from the performance of services, provided that any such claim, damage, loss or expenses, is caused in whole or in part by the negligent act, omission and or liability of the Consultant, its agents or employees. The Consultant shall provide the Owner with certificates of insurance exhibiting the coverage as specified above within thirty (30) days of execution of this agreement

and thereafter within five (5) working days after request by the Owner. All certificates of insurance shall contain provision that insurance provided shall not be canceled ~~or altered~~ except upon ten (10) days written notice to the Owner. *was by*

6. **Delegation and Subcontracting** - Unless otherwise proposed and approved in the Consultant's proposal for services, the Consultant shall not delegate or subcontract any work to be performed by the Consultant under this agreement to any other person, business or entity without the express advance written approval of the Owner for such delegation or subcontract work.

7. **Records and Samples** - To the extent not otherwise transferred to the Owner's possession, Consultant agrees to retain and provide the Owner with reasonable access to all work product, records, papers and other documents involving transactions and work related to or performed under this agreement for a period of three (3) years after this agreement expires. When services involve testing or sampling, Consultant agrees to either retain all test products or samples collected by or submitted to Consultant, or return same to the Owner as mutually agreed upon. In absence of agreement, Consultant shall not dispose of test samples or products without notice to or consent by the Owner or the Owner's representative.

8. **Additional Services** - No compensation shall be paid for any service rendered by the Consultant considered an additional service beyond the scope of services approved by the Owner unless rendition of that service and expense thereof has been authorized in writing by the Owner in advance of performance of such service. Any additional services performed by the Consultant prior to such authorization by the Owner shall be deemed a part of basic services for work performed under an Owner approved proposal for services governed by this agreement, whether enumerated in this agreement or not, for which the Consultant shall be entitled to no additional compensation.

9. **Owner Authorization** -When the term Owner is used in this agreement, it shall mean the the government of Boone County, Missouri or the Boone County Commission, as the context requires. Authorization by the Owner shall mean authorization obtained by recorded majority vote of the Boone County Commission. It is further understood and agreed that no person or party is authorized to bind the Owner to any proposed agreement for services under the auspices of this agreement without having obtained the prior approval of the Boone County Commission by recorded majority vote for such authorization. In this regard, it is understood and agreed that the Consultant shall not be entitled to rely upon verbal or written representations by any agent or employee of the Owner in deviation to the terms and conditions of this agreement, or as authorization for compensation for services except as may be approved by recorded vote of the Boone County Commission. When the term Owner's representative is used, it shall mean the Director of the Boone County Public Works Department or his designee as specified in writing. It shall be presumed that such representative shall have all necessary decision making authority with respect to services provided under this agreement and Owner approved proposals for services except such representative shall have no authority to make decisions concerning changes to the Consultant's compensation or reimbursement, or with respect to services to be performed under this agreement or Owner approved proposal for services which involve or affect cost, expense or budgetary allowances.

10. **Termination** - The Owner may and reserves the right to terminate this agreement at any time with or without cause by giving the Consultant written notice of termination. Upon receipt of such notice, Consultant shall discontinue all services in connection with the performance of services authorized under this agreement or Owner approved proposal for services and Owner shall upon invoice remit payment for all authorized services completed up to the date of termination notice. Upon payment of this invoice, the Consultant shall deliver any and all work product including drawings, plans, and specifications, or other documents, prepared as instruments of service, whether complete or in progress. It is further agreed that if services are terminated the Consultant shall be compensated for all services rendered through the date of termination not to exceed the amount authorized for services through the date of termination. If the Owner questions the extent of work on a final invoice, the Consultant shall give the Owner the opportunity to review and evaluate all work upon which the invoice is based in the offices of the Consultant prior to payment. This agreement or work performed under the provisions of this agreement may also be terminated by the Consultant upon not less than seven days written notice in the event the Owner shall substantially fail to perform in accordance with the terms and conditions of this agreement, through no fault of the Consultant. In the event of termination by the Consultant, the other provisions concerning termination contained in this paragraph shall be applicable.

11. **Governing Law** - This agreement shall be governed by the laws of the state of Missouri and it is agreed that this agreement is made in Boone County, Missouri and that Boone County, Missouri is proper venue for any action pertaining to the interpretation or enforcement of any provision within or services performed under this agreement.

12. **Miscellaneous** - This agreement constitutes the entire agreement of the parties superseding all prior negotiations, written or verbal, and may only be amended by signed writing executed by the parties through their authorized representatives hereunder.

13. **Duration of Agreement** - This agreement shall be in effect for the calendar year for which it is made and may be terminated in accordance with the terms and conditions set forth in this agreement.

IN WITNESS WHEREOF, the parties have executed this agreement by their duly authorized signatories effective the date and year first-above written.

TERRACON

By William A. Banow, PE.

Title GEOTECHNICAL MANAGER

Dated: MAY 6, 2002

APPROVED AS TO FORM:

[Signature]
County Attorney

APPROVED:

[Signature] 7/23/02
Director, Boone County Public Works

BOONE COUNTY, MISSOURI

By [Signature]

Presiding Commissioner

Dated: 7-23-02

ATTEST:

Wendy S. Norem sr
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.

no encumbrances required 7/18/02
Auditor byse Date

CONSTRUCTION SERVICES FEE SCHEDULE - 2002

PERSONNEL

Item 1.	Services of Technician I (2 hour minimum).....	32.00/hour*
Item 2.	Services of Technician II (2 hour minimum).....	36.00/hour*
Item 3.	Services of Technician III (2 hour minimum).....	40.00/hour*
Item 4.	Services of Technician IV (2 hour minimum)	45.00/hour*
Item 5.	Services of a Certified Steel Inspector (2 hour minimum).....	48.00/hour*
Item 6.	Ultrasonic Examination of Welds	56.00/hour*
Item 7.	Services of Field Engineer I and Geologist I.....	50.00/hour
Item 8.	Services of Field Engineer II and Geologist II.....	56.00/hour
Item 9.	Services of Project Engineer and Geologist III	65.00/hour
Item 10.	Services of Senior Project Geologist (Registered).....	75.00/hour
Item 11.	Services of Senior Project Engineer (Registered)	85.00/hour
Item 12.	Services of Senior Project Manager (Registered).....	95.00/hour
Item 13.	Transportation charges, private car or company vehicle	0.40/mile
	<i>(only for jobs or services located outside of the City of Columbia)</i>	
Item 14.	Supplies	Cost + 15 %

CONCRETE AND MASONRY

Item 1.	Compressive Strength of Cylinder ASTM C 39	
	FOB our Laboratory	12.00/each
	6" x 12" cylinder molds.....	1.00/each
Item 2.	Hold Cylinder (not stripped/cured)	no charge
Item 3.	Stripped and cured test cylinders, not tested	12.00/each
Item 4.	Concrete cylinder pickup.....	32.00/hour

ASPHALT

Item 1.	Extraction (ASTM D 2172) (includes gradation)	100.00/each
Item 2.	Marshall Stability Flow and Density	
	(ASTM D 1559) (already mixed)	115.00/3 plugs
Item 3.	Core Density (field cut)	23.00/each

SOILS & AGGREGATES

Item 1.	Atterberg Limits Determination (LL, PL).....	47.00/test
Item 2.	Standard Proctor (ASTM D 698).....	125.00/each
Item 3.	Modified Proctor (ASTM D 1557).....	150.00/each
Item 4.	Sieve Analysis of Fine or Coarse Aggregates	60.00/test
Item 5.	L. A. Abrasion (ASTM C 131)	160.00/each
	Large Size Particles	200.00/test
Item 6.	Relative Density (ASTM D 4253 & D 4254).....	160.00/each

*Increase hourly rate by 1.3 for Saturday, Sunday, and Holiday work

PROFESSIONAL SERVICE FEE SCHEDULE – 2002

FIELD EXPLORATION

Mobilization of Truck-mounted Drill Rig and 2-man crew.....	2.50/mile (200.00 minimum)
Mobilization of Track-mounted Drill Rig and 2-man crew.....	3.50/mile (300.00 minimum)
Support Vehicle	70.00/day
Auger drilling and sampling using either split-barrel or thin-walled tube samplers at 5-foot intervals in soil and NX coring in rock.	
Truck Mounted Drill Rig and 2-man crew	155.00/hour
Auger drilling and sampling using either split-barrel or thin-walled tube samplers at 5-foot intervals in soil and NX coring in rock.	
Track Mounted Drill Rig and 2-man crew	170.00/hour
Track Mounted Drill Rig.....	325.00/day
Pressure Meter, Cone Penetration and other Specialized In-Situ Tests	quote on request
Per diem	65.00/man/day
Supplies (Including Diamond Bit Wear)	cost plus 15%

LABORATORY SOIL TESTING

Water Content Test.....	5.50/test
Dry Density Determination	7.00/test
Unconfined Compression Test	18.00/test
Hand Penetrometer Test.....	3.00/test
Visual USCS Classification.....	4.00/sample
Atterberg Limits Test.....	47.00/test
Sieve Analysis (Washed over #200 sieve)	60.00/test
Hydrometer Analysis	60.00/test
Combined Analysis (Hydrometer and Sieve)	85.00/test
Swell Test - 1 pressure	80.00/each
Swell Test - 3 pressures.....	200.00/each
Consolidation Test with Pressure-Void Ratio Curve	340.00/test
Plotted Time Curves	50.00/each
Unconsolidated Undrained Triaxial Compression Test (Per Mohrs Circle).....	150.00/circle
Consolidated Undrained Triaxial Compression Test (Per Mohrs Circle).....	360.00/circle
Sample Preparation for Triaxial Compression Tests (Remolded Samples).....	60.00/sample
Standard Proctor Test.....	125.00/test
Modified Proctor Test.....	150.00/test
Laboratory CBR Test (Per Point)	175.00/test
Stratification of Boring Logs	60.00/hour

PROFESSIONAL STAFF

Principal	110.00/hour
Senior Project Manager (Registered Engineer)	95.00/hour
Senior Project Engineer (Registered)	85.00/hour
Senior Project Geologist (Registered).....	75.00/hour
Project Engineer/Geologist	65.00/hour
Field Engineer II/Geologist II.....	56.00/hour
Field Engineer I/Geologist I.....	50.00/hour
Engineering Technician IV	45.00/hour
Secretary/Word Processing	28.00/hour
Additional Copies.....	0.20/page (\$25 min)
Faxed Report (on request).....	0.25/page
Transportation charges, private car or company vehicle (beyond Columbia city limits)	0.40/mile

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
County of Boone } ea.

July Session of the May Adjourned

Term. 20 02

In the County Commission of said county, on the

23rd day of July 20 02

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

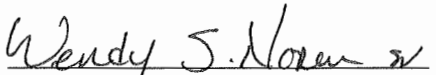
Now on this day, the County Commission of the County of Boone does hereby adopt the Boone County Road Tax Revenue Sharing and Revenue Replacement Policies as drafted by the Boone County Public Works Department.

Done this 23rd day of July, 2002.



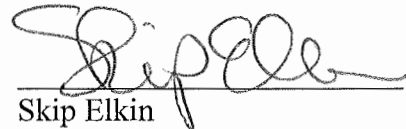
Don Stamper
Presiding Commissioner

ATTEST:


Wendy S. Noren
Clerk of the County Commission



Karen M. Miller
District I Commissioner



Skip Elkin
District II Commissioner

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
County of Boone } ea.

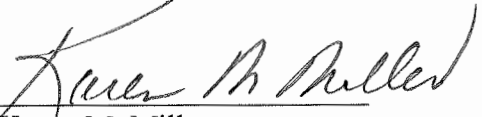
July Session of the May Adjourned Term. 20 02

In the County Commission of said county, on the 23rd day of July 20 02
the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby adopt the Boone County Public Work Surface Upgrade Guidelines.

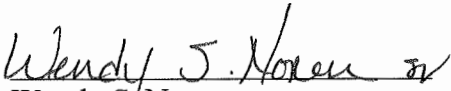
Done this 23rd day of July, 2002.


Don Stamper
Presiding Commissioner


Karen M. Miller
District I Commissioner


Skip Elkin
District II Commissioner

ATTEST:


Wendy S. Noren
Clerk of the County Commission

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
 County of Boone } ea.

July Session of the May Adjourned

Term. 20 02

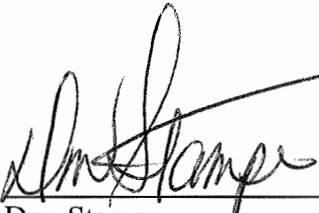
In the County Commission of said county, on the

23rd day of July 20 02

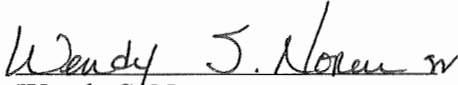
the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby adopt the Boone County, Missouri Roadway Regulations Chapter 1: Vehicular Traffic Regulations as drafted by the Boone County Public Works Department.

Done this 23rd day of July, 2002.


 Don Stamper
 Presiding Commissioner

ATTEST:


 Wendy S. Noren
 Clerk of the County Commission


 Karen M. Miller
 District I Commissioner


 Skip Elkin
 District II Commissioner

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
 County of Boone } ea.

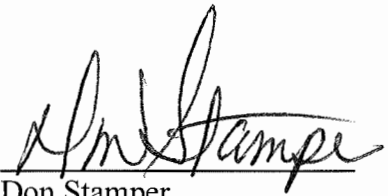
July Session of the May Adjourned Term. 20 02

In the County Commission of said county, on the 23rd day of July 20 02

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

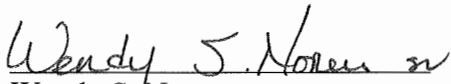
Now on this day, the County Commission of the County of Boone does hereby adopt the Traffic Safety Manual for Boone County, Missouri as drafted by the Boone County Public Works Department.

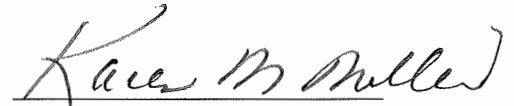
Done this 23rd day of July, 2002.



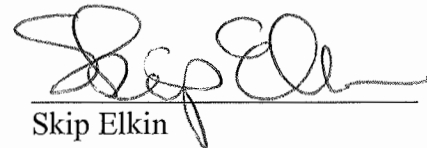
Don Stamper
 Presiding Commissioner

ATTEST:

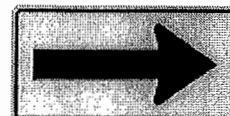

 Wendy S. Noren
 Clerk of the County Commission



Karen M. Miller
 District I Commissioner



Skip Elkin
 District II Commissioner



TRAFFIC SAFETY MANUAL

for

Boone County, Missouri



July 2002

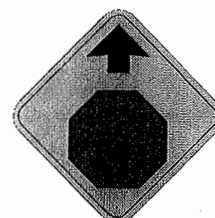


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1.0 INTRODUCTION

The Traffic Safety Manual provides guidelines and procedures that will be used as goals to maintain and improve traffic safety along the roads and streets under the jurisdiction of Boone County. Maintaining and improving traffic safety is a very complex problem. Although this manual will be used by county personnel and officials to determine courses of action in many cases, it is not all inclusive and is not intended to be used as a substitute for engineering judgment or to replace applicable design standards.

This manual utilizes information from the following sources:

1. U.S. Department of Transportation, Federal Highway Administration. Manual on Uniform Traffic Control, Millennium Edition. December 2000.
2. American Association of State Highway and Transportation Officials. A Policy on Geometric Design of Highways and Streets. 1994.
3. American Association of State Highway and Transportation Officials. Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT \leq 400). 2001.
4. American Association of State Highway and Transportation Officials. Roadside Design Guide. 1996.

2.0 TRAFFIC SIGNING AT INTERSECTIONS

Traffic control devices are necessary for regulating, warning, and guiding traffic, and are a primary determinant in the safe and efficient operation of intersections. The Manual on Uniform Traffic Control (MUTCD) outlines national standards for when and where traffic control is warranted. American Association of State Highway and Transportation Officials (AASHTO) sets forth guidelines for variables that impact traffic control such as sight distance requirements.

The uses of regulatory signs inform highway users of traffic laws or regulations and indicate the applicability of legal requirements that would not otherwise be apparent. Common regulatory signs include the STOP sign (R1-1) and YIELD sign (R1-2). The use of the Street Name sign informs the highway user of the street location and enables the highway user and the safety personnel to navigation to homes, businesses, etc. The application of stop signs, multiway stop signs, yield signs, and street name signs are discussed in the following sections.

2.1 Stop Signs

STOP signs are intended for use where traffic is required to stop. The standard size of a STOP sign used in Boone County will be 30-inch x 30-inch and the bottom of the sign will not be less than 5 feet from the ground. Where greater emphasis or visibility is required, a larger size sign should be considered.

Table 1 summarizes the condition that may require the use of the STOP sign. The STOP sign should be used only where warranted because it can cause a substantial inconvenience to motorists. Prior to the application of a STOP sign, consideration of less restrictive measures, such as the YIELD sign should be examined. Periodic reviews of existing installations may be conducted to determine if less restrictive control or no control could accommodate traffic demands safely and more effectively.

In a situation where two main highways intersect, the STOP sign or signs should normally be posted on the minor street to stop the lesser flow of traffic. Traffic engineering studies, however, may justify the installation of a STOP sign or signs on the major street. Such a situation may occur at a three-way intersection where safety considerations may justify stopping the greater flow of traffic to permit a left-turning movement.




STOP Signs will be replaced by the County within 24 hours of notification that a STOP Sign has been stolen or damaged.

2.2 Multiway Stop Signs

A multiway stop installation is useful as a safety measure at some locations. Table 1 includes conditions that may warrant the installation of a multiway stop.

At a multiway stop intersection, Boone County will use a supplementary plate (R1-3) 12-inch x 6-inch in size that will be mounted just below the STOP sign. If the number of approach legs to the intersection is three or more, the numeral on the supplementary plate shall correspond to the actual number of legs (i.e., 3-WAY or 4-WAY). If all streets of the intersection are controlled by STOP signs, the supplementary plate may state ALL-WAY, instead of the number of approach legs.

Table 1. Summary of Guidance and Options for Stop and Multiway Stop Conditions

Traffic Control Devices	Conditions That Might Warrant a STOP Sign
<p>STOP Sign (R1-1) Standard Size 30"x30"</p> 	<ol style="list-style-type: none"> 1. Intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonably safe operation. 2. Street entering a through highway or street. 3. Unsignalized intersection in a signalized area. 4. High speeds, restricted view, or crash records indicate a need for control by the STOP sign.
<p>MULTIWAY STOP Signs (R1-1) use in conjunction with (R1-3)</p>  <p>4-WAY R1-3 (12"x6")</p>  <p>ALL WAY R1-4 (18"x6")</p>	<ol style="list-style-type: none"> 1. Where traffic signals are justified, the multiway stop is an interim measure that can be installed quickly to control traffic while arrangements are being made for the installation of the traffic control signal. 2. A crash problem, as indicated by 5 or more reported crashes in a 12-month period that are susceptible to correction by a multiway stop installation. Such crashes include right- and left-turn collisions as well as right-angle collisions. 3. Minimum volumes: <ol style="list-style-type: none"> a) The vehicular volume entering the intersection from the major street approaches (total both approaches) must average at least 300 vehicles per hour for any 8 hours of an average day, and b) The combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street approaches (total of both approaches) average at least 200 units per hour for the same 8 hours, with an average delay to minor street vehicular traffic of at least 30 seconds per vehicle during the highest hour, but c) If the 85th-percentile approach speed of the major street traffic exceeds 40 miles per hour, the minimum vehicular volume warrants are 70 percent of the above requirements. 4. Where no single criterion is satisfied, but where criteria 2, 3a, and 3b are all satisfied to 80 percent of the minimum values. Criterion 3c is excluded from this condition. 5. Other criteria that may be considered in an engineering study include: <ol style="list-style-type: none"> a) The need to control left-turn conflicts; b) The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volume; c) Locations where a road user, after stopping cannot see conflicting traffic and is not able to safely negotiate the intersection unless conflicting cross traffic is also required to stop; and d) An intersection of two residential neighborhood collector (through) streets of similar design and operation characteristics where multiway stop control would improve traffic operational characteristics of the intersection.
<p>For ADT ≤ 400.</p>	<ol style="list-style-type: none"> 1. For low-volume roads where engineering judgment or study indicates that either of the following conditions applies: <ol style="list-style-type: none"> a) An intersection of a less-important road with a main road where application of the normal right-of-way rule might not be readily apparent; or b) An intersection that has restricted sight distance for the prevailing vehicle speeds.


Source: Manual on Uniform Traffic Control Devices, Millennium Edition. (Section 2B.05 through 2B-07, & 5B.03)

2.3 Yield Signs

The YIELD sign assigns right-of-way to traffic on certain approaches to an intersection. Vehicles controlled by a YIELD sign need stop only when necessary to avoid interference with other traffic that is given the right-of-way. Table 2 outlines conditions when a YIELD sign may be warranted.

The standard size of a YIELD sign used in Boone County will be 36-inch x 36-inch x 36-inch and the bottom of the sign not be less than 5 feet from the ground. YIELD signs generally should not be placed to control the major flow of traffic at an intersection. However, YIELD signs may be installed to control traffic movement where a majority of drivers in that movement are making right turns. At such an intersection, YIELD signs should not be erected on more than one approach. Table 2 summarized the guidance and options conditions for YIELD sign usage as outlined in the MUTCD.

Table 2. Summary of Guidance and Options for Yield Conditions

Traffic Control Devices	Conditions That Might Warrant a YIELD Sign
<p>YIELD Sign (R1-2)</p> <p>Standard Size 36" x 36" x 36"</p> 	<ol style="list-style-type: none"> 1. At the entrance to an intersection where it is necessary to assign right-of-way and where the safe approach speed on the entrance exceeds 10 miles per hour. 2. If controlling a merge-type movement on the entering roadway where acceleration geometry and/or sight distance is not adequate for merging traffic operations. 3. At the second crossroad of a divided highway, where the median width is 30 feet wide or greater. A STOP sign may be installed at the entrance to the first roadway of the divided highway, and a YIELD sign may be placed at the entrance to the second roadway. 4. At an intersection where a special problem exists and where engineering judgment indicates the problem to be susceptible to correction by use of the YIELD sign.
<p>For ADT ≤ 400</p>	<ol style="list-style-type: none"> 1. For low-volume roads where engineering judgment or study indicates that either of the following conditions applies: <ol style="list-style-type: none"> a) An intersection of a less-important road with a main road where application of the normal right-of-way rule might not be readily apparent; or b) An intersection that has restricted sight distance for the prevailing vehicle speeds.

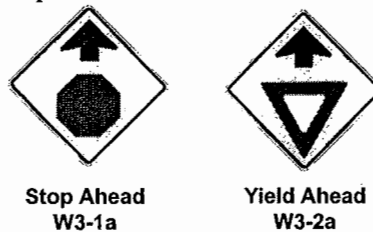
Source: Manual on Uniform Traffic Control Devices, Millennium Edition. (Section 2B.08 through 2B.09, & 5B.03)

2.4 Location of Stop Sign and Yield Sign

A STOP sign should be erected at the point where the vehicle is to stop or as near thereto as possible. If accident trends or engineering analysis indicate a reoccurring violation of this standard, the County should consider adding a stop line and/or the word STOP on the pavement. A YIELD sign should be erected in the same manner, at the point where the vehicle is to stop if necessary to yield the right-of-way. Where a marked crosswalk on pavement exists, the sign should be erected approximately 4 feet in advance of the crosswalk line nearest to approaching traffic. Stop signs and yield signs will be located on county maintained roads and/or private roads where they intersect county maintained roads when warranted.

In a situation where the visibility of a STOP sign or a YIELD sign is restricted, the STOP sign or YIELD sign shall be located as specified, and a STOP AHEAD (W3-1a) or a YIELD AHEAD (W3-2a) sign shall be erected in advance of the STOP or YIELD sign. The minimum standard size for the STOP AHEAD and YIELD AHEAD warning signs to be used will be 30-inch x 30-inch. In instances where there is a history of poor observance of the STOP sign, the County will install a STOP AHEAD warning sign. The placement of the STOP AHEAD and YIELD AHEAD sign shall be determined from Table 6 on page 11. Figure 1 displays the advance warning signs to be used by Boone County.

Figure 1. Stop Ahead and Yield Ahead Warning Signs



2.5 Intersections with No Traffic Control

In a situation where an intersection crossing is not controlled by yield signs, stops signs, or traffic signals, the operator of a vehicle approaching an intersection must be able to perceive a hazard in sufficient time to alter the vehicle's speed as necessary before reaching the intersection. Figure 2 displays an intersection with no traffic control. In this situation, no obstructions should be present within the sight triangle. To determine the appropriate distance (d) of the sight triangle legs, the speeds along the major and minor roads should be determined. Based upon these speeds, Table 3 will be used to determine the dimensions of the sight triangle legs.

Figure 2. Example of Intersection with No Traffic Control

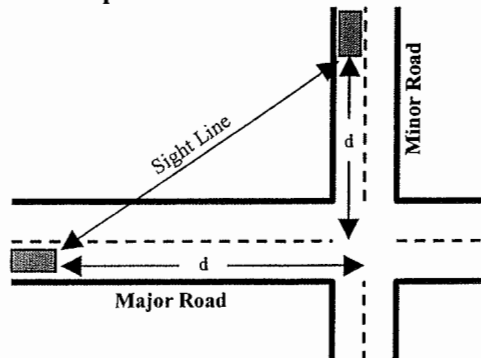


Table 3. Sight Distance required at No Control Intersections

Speed (mph)	ADT > 400	ADT ≤ 400
	Distance "d" of the Sight Triangle Leg ^{1,3} (feet)	Distance "d" of the Sight Triangle Leg ^{2,3} (feet)
15	70	60
20	90	80
25	115	95
30	130	120
35	145	140
40	180	170
45	200	210
50	220	255
55	250	300
60	280	350

- Notes: 1. Source: A Policy on Geometric Design of Highways and Streets, AASHTO, 1994. (Table IX-7, page 699)
 2. Source: Guidelines for Geometric Design of Very Low-Volume Roads, 2001 (Exhibit 14, p.45)
 3. Additional consideration should be given to intersection approaches that exceed 3 percent grade.

For example, a roadway at 40 miles per hour intersecting a roadway at 25 miles per hour and an average daily traffic (ADT) of greater than 400 vehicles per day would result in the legs of the sight triangle equal to 180 feet and 115 feet respectively. These, or greater distances, will permit a vehicle on either road to change speed before reaching the intersection.

Non-controlled intersections should be used only in the design of intersections on two lane roads where sight distances are adequate. Intersections with sight triangles having adequate sight distance may still require control based on engineering judgment. Where this minimum sight triangle cannot be provided, traffic control devices should be used to slow down or stop vehicles on one or both roads even if both roads are lightly traveled. Existing conditions will be addressed as they become evident and as funding allows.

2.6 Intersection Stopping Sight Distance

Sight distance is the length of roadway ahead visible to the driver. The minimum stopping sight distance available on a roadway is the distance to enable a vehicle traveling at or near the design speed to stop before reaching a stationary object in its path. Table 4 outlines the stopping sight distance guidelines.

Table 4. Stopping Sight Distance Requirements

Design Speed (mph)	ADT > 400	ADT ≤ 400
	Minimum Stopping Sight Distance ¹ (feet)	Minimum Stopping Sight Distance ² (feet)
20	100	95
25	150	125
30	190	165
40	250	250
45	310	300
50	370	350
55	430	405
60	515	470

Source: 1. A Policy on Geometric Design of Highways and Streets, AASHTO, 1994. (page 120)
 2. Guidelines for Geometric Design of Very Low Volume Local Roads, 2001 (Exhibit 8, p.34)

Where adequate stopping sight distance at the intersection is not available to the through traffic at the posted speed, then intersection warning signs (W2-1 through W2-5) should be installed on the uncontrolled road approaches. The standard size of the intersection warning signs used in Boone County will be 30-inch x 30-inch. Examples of these signs are displayed in Figure 3. The placement of these signs is determined by using Table 6 on page 11.

Figure 3. Intersection Warning Signs



Source: Manual on Uniform Traffic Control Devices, Millennium Edition. (section 2C.34).

2.7 Unwarranted Traffic Control Devices

STOP signs will not be installed by the County solely to control vehicle speeds or divert traffic. STOP signs installed in the wrong places for the wrong purposes can create more problems than they solve. Studies have shown that there is a high incidence of intentional violations where stop signs are installed to control speed. These studies showed that vehicle speed was reduced in the immediate vicinity of the stop signs, but vehicle speeds were actually higher between intersections than they would have been if these signs had not been installed. At the right place and under the right conditions, a STOP sign tells the drivers and pedestrians who has the right of way.

2.8 Street Name Signs

Street Name signs are used to identify roads and are installed at street intersections regardless of other route signs. For roads with a speed limit less than 60 miles per hour, the Street Name sign lettering height shall be at least 6 inches for upper case-letters and 4.5 inches for lower-case letters. For local roads with a speed limit of 60 miles per hour or greater, the Street Name sign lettering height shall be at

least 9 inches for upper case-letters and 6 inches for lower-case letters.. At intersections with two different speed limits, the higher speed limit will prevail when determining Street Name sign letter height.

Any supplementary lettering to indicate the type of street, such as Street, Avenue, or Road, shall have a minimum height of 3 inches and conventional abbreviations may be used. Coordinates shall be used for all County maintained roads, except for internal subdivision roads or roads of shared jurisdiction with municipalities. The coordinates shall be located on the top, right hand corner of the Street Name sign and shall be a minimum of 2 inches in height.

The Street Name sign shall be retroreflective or illuminated to show the same shape and similar color both day and night. Street Name signs for all county maintained roads shall have a white legend on a green background. Street Name signs for all privately maintained roads shall have a black legend on a white background. An informational placard stating it is a private road will be placed below the Street Name sign.

At intersections of crossroads where the same road has two different street names for each direction of travel, both street names may be shown on the same signpost. Directional arrows shall be used to designate the street name to the location of the street.

Divided highways that intersect with County maintained roads may have Street Name signs placed on each side of the intersections unless placement of a sign in the median is permitted. On principal arterials, Street Name signs should be placed at least on diagonally opposite corners so that they will be on the far right side of the intersection for traffic on the major street. In subdivisions and rural intersections, at least one Street Name sign should be located at each intersection. The Street Name sign for each road of the intersection shall be mounted on the same post and the Street Name sign faces shall be parallel to the street they name. The Street Name signs shall be at installed least 5 feet off the ground measured from the bottom of the sign to the near edge of the pavement. Street Name signs may be mounted on the same post as Stop or Yield signs.

The County shall post and maintain Street Name signs on all county maintained roads and at the entrances of privately maintained roads. The Street Name signs shall only contain street names adopted by the Commission. The Street Name sign posting of the privately maintained roads will be located at the intersection of the county maintained road and the privately maintained road within the county right-of-way, whenever possible. If the privately maintained road intersects with a State right of way, the Street Name sign will be placed in the State right of way as permitted. The County will not provide and maintain Street Name signs for the internal roads of a privately maintained subdivision.

3.0 ROAD SPEEDS

3.1 Design Speeds

The design speed for local, collector, and arterial roads is located in the Boone County, Missouri, Roadway Regulations, Chapter II, Road, Bridge & Right of Way Regulations. The design speed is based upon the road type. The County may complete an engineering study for different speed limits where conditions of safety dictate and costs can be supported. In spot locations or segments where design speeds cannot be economically provided, appropriate warning and traffic control signs or devices will be installed.

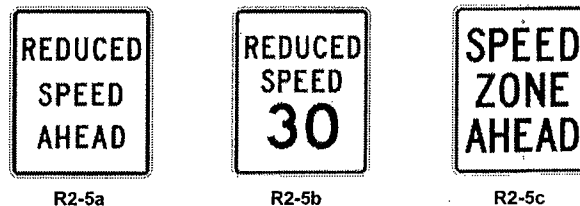
3.2 Posting of Speed Limits

Speed limits on County roads will be posted adjacent to intersecting State routes or other major County roads and at other strategic locations where it becomes apparent that drivers should be reminded of the appropriate route speed. A speed limit will be posted by default or by performing an engineering study. If it is determined that a study is to be performed, the following factors will be considered when establishing the speed limit (MUTCD, page 2B.11):

1. Road surface characteristics, shoulder condition, grade, alignment and sight distance,
2. The 85th-percentile speed and pace speed,
3. Roadside development and culture and roadside friction,
4. Parking practices and pedestrian activity; and
5. Reported accident experience for a recent 12-month period.

The Reduced Speed Ahead (R2-5) should be used in rural areas to inform motorists of a reduced speed zone when an advance notice is needed to comply with the speed limit posted ahead. A Speed Limit sign erected at the beginning of the zone where the altered speed limit applies shall always follow this sign. The minimum standard size of Reduced Speed Ahead signs will be 24-inch x 30-inch. Figure 4 displays examples of the Reduced Speed Ahead signs.

Figure 4. Reduced Speed Ahead Signs (R2-5 series)



3.3 Advisory Speed Limits on Turns and Curves

Whenever it is practical, the curves along a road in Boone County will be constructed at the overall road design speed. However, when this cannot be done on new roads or has not been done on existing roads, studies will be completed to determine if warning signs are needed. Whether or not a curve should be provided with warning signs depends on the posted speed limit and the computed or measured safe travel speed. If the radius and super elevation is known, the safe travel speed can be calculated. On County roads where this information is not available, measurement of the safe speeds will be completed using an instrument called a ball bank indicator* mounted on a survey vehicle. A series of test runs will be conducted on each curve along a route to determine the ball deflection readings for various speeds. Readings of 10 degrees will be used to identify the safe speed of the curve.

If the safe curve speed is less than the posted speed limit, then either turn or curve warning signs (i.e., W1-1, W1-2, W1-3, W1-4, or W1-5) will be installed as prescribed in the MUTCD, section 2C.06. Examples of the turn and curve signs are shown in Figure 5. Turn signs should be used for speeds of 30 miles per hour or less, and curve signs should be used for speeds of greater than 30 miles per hour. Additional protection may be provided by use of advisory speed plates. The minimum standard size for signs W1-1 through W1-5 will be 30-inch x 30-inch.

* The ball bank indicator consists of a steel ball sealed in a curved glass tube with a liquid. The ball is free to move except for the dampening effect of the liquid. The movement or deflection of the ball up either side of the curved glass tube is governed by the roadway superelevation (i.e. gravity) and the centrifugal force developed as the survey vehicle travels around a curve at a given speed.

Winding road signs are applicable where three or more turns or curves, are separated by less than 600 feet of tangent. For added emphasis on turns, a large arrow sign (W1-6) may be placed on the outside of a turn. The minimum standard size for the large arrow sign will be 48-inch x 24-inch. The large arrow sign is shown in Figure 6.

Table 5 sets forth guidelines to determine the appropriate warning signs based on the results of the ball bank indicator. The appropriate placement of the turn or curve warning signs shall be determined based upon Table 6.

Figure 5. Curve and Turn Signs



Source: Manual on Uniform Traffic Control Devices, Millennium Edition. (page 2C-9).

Figure 6. Large Arrow Sign



Large Arrow
W1-6

Source: Manual on Uniform Traffic Control Devices, Millennium Edition. (page 2C-9).

Table 5. Signing for Curves and Turns

		Advisory Speed Based on Ball Bank Indicator (MPH)								
		60	55	50	45	40	35	30	25	20 or less
Usual Operating Speed (MPH)	60		C	C	CA	CA	CA	TA	TA	TA
	55			C	C	CA	CA	TA	TA	TA
	50				C	C	CA	TA	TA	TA
	45					C	C	TA	TA	TA
	40						C	T	TA	TA
	35							T	T	TA
	30								T	T
	25									T
	20 or less									

C =Curve Sign, Reverse Curve Sign (or winding road sign if applicable)

T =Turn Sign, Reverse Turn Sign (or winding road sign if applicable)

A =Advisory Speed Plate

Source: Handbook of Traffic Control Practices for Low Volume Rural Roads,
 Kansas Department of Transportation, 1991, modified to reflect practice of
 Missouri Department of Transportation.

Table 6. A Guide for Advance Warning Sign Placement Distance

Posted or 85th Percentile Speed (mph)	Condition A: High Judgment Required ² (feet)	Condition B: Stop Condition ³ (feet)	Advance Placement Distance ¹					
			Condition C: Deceleration Condition to Listed Advisory Speed (mph) for the Condition ⁴ (feet)					
			10	20	30	40	50	
20	175	N/A ⁵	N/A ⁵					
25	250	N/A ⁵	100	N/A ⁵				
30	325	100	150	100				
35	400	150	200	175	N/A ⁵			
40	475	225	275	250	175			
45	550	300	350	300	250	N/A ⁵		
50	625	375	425	400	325	225		
55	700	450	500	475	400	300	N/A ⁵	
60	775	550	575	550	500	400	300	
65	850	650	650	625	575	500	375	

Notes:

1. The distances are adjusted for a sign legibility distance of 175 feet which is the appropriate legibility distance for the 5 inch Series D word legend. The distances may be adjusted by deducting another 100 feet if symbol signs are used. Adjustments may be made for grades if appropriate.
2. Typical conditions are locations where the road user must use extra time to adjust speed and change lanes in heavy traffic because of a complex driving situation. Typical signs are Merge, Right Lane Ends, etc. The distances are determined by providing the driver with PIEV time of 6.7 to 10.0 seconds plus 4.5 seconds for vehicle maneuvers minus the legibility distance of 175 feet for the appropriate sign.
3. Typical condition is the warning of a potential stop situation. Typical signs are Stop Ahead, Yield Ahead, or Signal Ahead. The distances are based on the 1990 AASHTO Policy for stopping sight distance providing a PIEV time of 2.5 seconds, friction factor of 0.30 to 0.40, minus the sign legibility distance of 175 feet.
4. Typical conditions are locations where the road user must decrease speed to maneuver through the warned condition. Typical signs are Turn, Curve, or Cross Road. The distance is determined by providing a 1.6 seconds PIEV time, a vehicle deceleration rate of 10 feet per second², minus the sign legibility distance of 175 feet.
5. No suggested minimum distances are provided for these speeds, as placement location is dependent on site conditions and other signing to provide an adequate advance warning for the driver.

Source: Manual on Uniform Traffic Control Devices, Millennium Edition. (Table 2C-4, page 2c-7)

3.4 Posting of Lower Speed Limits

The County does not endorse the posting of lower speed limits solely based on local requests to “improve safety.” A common belief is that posting a speed limit will influence drivers to drive at that speed. The facts indicate otherwise.

Many studies conducted over several decades in all parts of the country have shown that a driver’s speed is influenced more by the appearance of the roadway and the prevailing traffic conditions than it is by the posted speed limit. Some drivers will obey the lower posted speed while others will feel it is unreasonable and simply ignore it. This disrupts the uniform traffic flow and increases accident potential between the faster and the slower drivers. When traffic is traveling at different speeds, the number of gaps in traffic to permit safe crossing is reduced. Pedestrians also have greater difficulty in judging the speed of approaching vehicles.

3.5 Changing of Posted Speed Limits

A posted speed limit shall be changed only by Commission Order.

4.0 PAVEMENT MARKINGS

The decisions regarding which routes should be provided with pavement markings will be based on detailed engineering analyses of traffic accidents, traffic volumes, roadway widths, and expected striping life. Markings shall be yellow, white, red, or blue. The colors for markings shall conform to the standard highway colors. Black in conjunction with one of the above colors shall be a usable color for object markers. All pavement markings will be installed in conformance with MUTCD.

This section discusses center lines, passing zones, pavement edge lines, stop lines, crosswalk lines, and temporary pavement markings. The MUTCD guidance will be used for any other marking situations, such as left turn lanes, when encountered.

4.1 Center Lines

Center line marking shall be used to delineate the separation of traffic lanes that have opposite direction of travel on a road and shall be yellow. Center line markings are placed on paved roads under the following conditions (MUTCD, Section 3B.01):

1. Center line markings shall be placed on all paved urban arterials and collectors that have a travel width of 20 feet or more and an Average Daily Traffic (ADT) of 4,000 vehicles per day or greater;
2. Center line markings shall be placed on all paved rural arterials and collectors that have a traveled width of 18 feet or more and an ADT of 3,000 vehicles per day or greater;
3. Center line markings may be placed on paved two-way traveled roads that are 16 feet or more in width and an ADT of 400 vehicles per day or greater. Engineering judgment should be used in determining whether to place center line markings because of the potential for traffic encroaching on the pavement edges, traffic being affected by parked vehicles, and traffic encroaching into the opposite traffic lane; and
4. At other locations where an engineering study indicates a need for center line markings.

The County may use center line markings on paved road wider than 16 feet with priority given to the following conditions:

1. Speed limits;
2. Horizontal and vertical curves;

3. Average daily traffic volume; and
4. Road classification.

The pavement width used in this analysis will be the predominant width, which exists along a segment of at least three miles in length. The County will not provide center line markings for subdivisions roads.

The center line markings on two-lane, two-way roads shall be one of the following (MUTCD, Section 3B.01):

1. Two-direction passing zone marking of a normal broken yellow line where crossing the center line markings for passing with care is permitted for traffic traveling in either direction;
2. One-direction no-passing zone markings consisting of a normal broken yellow line and a normal solid yellow line where crossing the center line marking for passing with care is permitted for the traffic traveling adjacent to the broken line, but is prohibited for traffic traveling adjacent to the solid line; or
3. Two-direction no-passing zone markings consisting of two normal solid yellow lines where crossing the center line markings for passing is prohibited for traffic traveling in either direction.

The center line markings on undivided two-way roads with four or more traffic lanes shall be the two-direction no-passing zone markings consisting of two normal solid yellow lines. The lanes of the same direction of the same direction will be divided by normal broken white lines.

The width and pattern of the center line markings shall conform to the following standards (MUTCD, Section 3A.06):

1. A normal solid yellow line shall be 4 to 6 inches wide, and
2. A normal broken yellow line shall be 10 feet long line segments 4 to 6 inches wide with 30-foot gaps.

4.2 Passing Zones

Where center lines are installed, no-passing zones shall be established at vertical curves, horizontal curves, and other locations where an engineering study indicates passing must be prohibited.

A no-passing zone on a horizontal curve or a vertical curve is warranted where the sight distance is less than the minimum passing sight distance as listed in Table 7. The passing sight distance on a horizontal curve is the distance measured along the center line between two points 3.5 feet above the pavement on a line tangent to the embankment or other obstruction that restricts the view on the inside of the curve. The passing sight distance on a vertical curve is the distance at which an object 3.5 feet above the pavement surface can just be seen from a point 3.5 feet above the pavement. The speed is the prevailing off-peak 85th-percentile speed or the posted speed limit, whichever is higher. The no-passing zone should be marked where the sight distance is equal to or less the minimum passing sight distance.

Table 7. Minimum Passing Sight Distance

Speed (mph)	Minimum Passing Sight Distance (feet)
25	450
30	500
35	550
40	600
45	700
50	800
55	900
60	1,000

Source: Manual on Uniform Traffic Control Devices, Millennium Edition. (Page 3B-9)

4.3 Pavement Edge Lines

Pavement edge line markings delineate the left or right edge of the road. Edge line markings may be placed on roadway features such as horizontal curves, narrow bridges, pavement width transitions, and curvilinear alignments. They have unique value as a visual reference for the guidance of drivers during adverse weather and visibility conditions. Pavement edge lines on two-lane roadways shall be a solid white color and edge lines shall not be continued through intersections or be broken for driveway access.

Edge line markings may be placed on paved roads with following characteristics (MUTCD, Section 3B.07):

1. Rural arterials and collectors with a traveled way of 20 feet or more in width and an ADT of 3,000 vehicles per day or greater;
2. At other paved streets and highways where an engineering study indicates a need for edge line markings; or
3. Where edge delineation is desirable to minimize unnecessary driving on paved shoulders or on refuse areas that have lesser structural pavement strength than the adjacent roadway.

Edge line marking should not be placed where an engineering study indicates that providing them would decrease safety.

4.4 Stop Lines

Stop lines are used in both rural and urban areas where it is important to emphasis the point behind which vehicles are required to stop in compliance with a STOP sign, traffic signal, or other legal requirement. Stop lines are solid white lines, normally 12 to 24 inches wide, extending across all approach lanes.

Stop lines are placed at the desired stopping point and should be placed to allow sufficient sight distance for all approaches to an intersection. The stop line should not be placed more than 30 feet or less than 4 feet from the nearest edge of the intersecting roadway. If a stop line is used in conjunction with a STOP sign, it should be placed in line with the STOP sign. However, if the sign cannot be located exactly where vehicles are expected to stop, the stop line should be placed at the stopping point. Stop lines used in conjunction with a crosswalk are placed 4 feet in advance of and parallel to the nearest crosswalk line.

4.5 Crosswalk Lines

Crosswalk markings provide guidance for pedestrians crossing roads by defining and delineating paths. Crosswalks are marked at intersections where there is substantial conflict between vehicle and pedestrian movements. Marked crosswalks should also be provided at other appropriate points of pedestrian concentration. At the non-intersection locations, crosswalk markings legally establish the crosswalk and are used to alert road users of pedestrian crossing point across roads not controlled by traffic stops. An engineering study should be required before they are installed at locations away from intersections.

Crosswalk lines shall be solid white lines used to mark both edges of the crosswalk. The minimum width of the crosswalk line shall be 6 inches and the crosswalk lines shall not be spaced less than 6 feet apart. Under special circumstances where a stop line is not provided, where vehicular speeds exceed 35 miles per hour, or where crosswalks are unexpected, it may be desirable to increase the width of the crosswalk line up to 24 inches in width. Crosswalk lines on both sides of the crosswalk should extend across the full width of the pavement to discourage diagonal walking between crosswalks.

Since non-intersectional pedestrian crossings are generally unexpected by the motorist, warning signs should be installed and adequate visibility provided by parking prohibitions.

4.6 Temporary Pavement Markings

When newly paved roads that warrant pavement markings are open to traffic prior to receiving permanent pavement marking, temporary pavement markings shall be used to delineate the separation of two-way traffic. The temporary pavement markings shall consist of raised pavement markers with a height of at least 0.4 inches mounted on the road surface. The temporary pavement markings shall be reflective and the color shall conform to the color of the marking for which they substitute. The distance between each temporary pavement marking shall be 25 feet.

5.0 Roadside Barriers

The County may use guardrails to shield motorists from natural or man-made obstacles located near the road. The primary purpose of the guardrail is to prevent the vehicle, if it inadvertently leaves the road, to strike a fixed object or travel a terrain feature that is considered more dangerous than hitting the guardrail barrier. A guardrail is warranted if it reduces the severity of the potential accident. In other words, if the consequences of a vehicle striking a fixed object or running off the road are believed to be more serious than hitting a traffic barrier, than a guardrail is considered warranted. Guardrails are used typically to provide protection from steep embankment heights, fixed objects, and pedestrians and bicyclists. Table 8 outlines the guardrail warrants for non-traversable terrain and roadside obstacles.

Table 8. Warrant Considerations for Guardrail Placement

Terrain or Obstacle ^{1,2}	Warrant
Bridge Piers, Abutments, and Railing Ends	Shielding generally required.
Boulders	A judgment decision based on nature of fixed object and likelihood of impact.
Culverts, Pipes, Headwalls	A judgment decision based on size, shape, and location of obstacle.
Cut Slopes (smooth)	Shielding not generally required.
Cut Slopes (rough)	A judgment decision based on likelihood of impact.
Ditches (transverse)	Shielding generally required if likelihood of head-on impact is high.
Embankments	A judgment decision based on fill height and slope.
Retaining Walls	A judgment decision based on relative smoothness of wall and anticipated maximum angle of impact.
Signs/Luminaire Supports ³	Shielding generally required for non-breakaway supports.
Trees	A judgment decision based on site-specific circumstances.
Utility Poles	Shielding may be warranted on a case-by case basis.
Permanent Water Bodies	A judgment decision based on location and depth of water and likelihood of encroachment.

Notes:

1. Shielding non-traversable terrain or a roadside obstacle is usually warranted only when it is within the clear zone and cannot practically or economically be removed, relocated, or made breakaway, and it is determined that the barrier provides a safety improvement over the unshielded condition.
2. Marginal situations, with respect to placement or omission of a barrier, will usually be decided by accident experience, with at the site or at a comparable site.
3. Where feasible, all sign and luminaire supports should be a breakaway design regardless of their distance from the road if there is reasonable likelihood of their being hit by an errant motorist.

Source: Roadside Design Guide, 1996 (p.5-5)

Embankment height and side slope are basic factors considered in determining if a guardrail is warranted. Table 9 lists the embankment height/side slope situations that may warrant a guardrail. Encroachment occurring due to the placement of the guardrail and the costs associated with the guardrail will also be considered when using this table.

Table 9. Embankment/Side Slope Warrants for Guardrail

Side Slope (H:V)	Embankment Fill Height
1.5:1	3 ft or steeper
2:1	6 ft or steeper
2.5:1	9 ft or steeper
3:1	16 ft or steeper

Note: 1. Encroachment occurring due to the placement of the guardrail and the costs associated with the guardrail will also be considered when using this table.

Source: Roadside Design Guide, 1996 (Figure 5.1, p. 5-3)

If it is not immediately obvious whether the barrier or the unshielded condition presents the greater risk, an engineering evaluation may be used. The warrant will be established by using a benefit to cost analyses. The evaluation will take into account design speed, traffic volume, and costs associated with the barrier or improvements. The evaluation will typically look at three options.

1. Remove or reduce the area of concern so that it no longer requires shielding,
2. Install an appropriate barrier, and
3. Leave the area of concern unshielded.

The use of guardrails to shield or protect drivers from roadside obstructions is generally not cost-effective for roads with an average daily traffic (ADT) less than 400 vehicles per day. A guardrail itself is a roadside obstacle and a significant proportion of vehicles impacts with guardrails produce injuries. The low frequency of collisions with guardrails and the cost associated with maintaining guardrails makes it impractical for using guardrails on low volume roads. Engineering judgment should be used in determining locations where guardrail should be used due to the potential of a severe accident due to departure from the road.

6.0 NON-STANDARD TRAFFIC CONTROL DEVICES

Boone County will avoid the use of non-standard and unproven traffic control devices such as Children at Play signs or Speed Bumps. Engineering assistance may be provided for neighbors that are interested in various traffic calming options.

6.1 Children at Play Signs

The Missouri Department of Transportation does not recognize the use of the SLOW – CHILDREN AT PLAY or similar messages sign. Parental concern for the safety of children in the street near home and a misplaced but wide-spread public faith in traffic signs to provide protection often prompt the request for these types of signs.

No factual evidence has been presented to document the sign's success in reducing pedestrian accidents, vehicle operating speeds, or legal liability. Studies have shown that many types of signs attempting to warn of normal conditions in residential areas have failed to achieve the desired safety benefits. If signs encourage parents and children to believe they have an added degree of protection, which the signs do not and cannot provide, a great disservice results. Children should not be encouraged to play within the street travel ways. This sign has long been rejected since it is a direct and open suggestion that this behavior is acceptable. Therefore, the County will not promote or provide the SLOW-CHILDREN AT PLAY sign.

6.2 Traffic Calming

Traffic Calming is the application of techniques at a specific location that result in a reduction in vehicular speeds, traffic volumes, traffic noise, and accidents. The techniques may include educational programs, neighborhood speed watch programs, improvements in traffic signing, increased enforcement, reduction of speed limits (see Section 3.4), or physical alterations to the roadway to change driving patterns. The support of the residents where traffic calming is being considered is critical to the success of any neighborhood traffic management program and they must therefore be an integral part of any process.

A traffic calming project shall be designed and sealed by an engineer registered in the State of Missouri. The traffic calming project shall include a traffic study. The design shall be reviewed and approved by the County. For existing neighborhoods, the design and construction of the project shall be at the expense of the neighborhood. For new subdivisions, the design and construction of the project shall be at

the expense of the developer. The objectives of traffic calming can frequently be met without physical changes to a roadway. The least intrusive solution is always the preferred one from a traffic engineering perspective. The County Highway Administrator will not endorse the use of speed bumps, unwarranted stop signs, or arbitrary lowering of speed limits. The traffic calming devices shall comply with Traffic Calming: State of Practice, developed by the Federal Highway Administration (August 1999). The following are most commonly applied devices.

1. Speed Humps

Speed humps are raised sections of the roadway constructed to reduce vehicular speeds. Similar to a speed bump, the speed hump is wider and has a more sloping side taper. The physical impact on passing vehicles is less severe at slow speeds than at higher speeds.

2. Traffic Circles

A traffic circle is a large circular area in the middle of an intersection constructed to control the right-of-way of vehicles. The circle is used to decrease vehicular speeds on a residential street and may decrease traffic volume as well. Traffic approaching the intersection must drive around the circle and yield to those cars that have already entered the circle.

3. Chicanes

A chicane is created by staggered curb extensions that are placed on both sides of the street. These curb extensions alternate on the street and force motorists to substantially decrease their speed when driving around them. In addition, depending on the design, motorists may have to yield to oncoming traffic, when the curb extension is designed to allow only enough space for one car to pass at a time. The extensions, often landscaped with bushes and trees, decrease the driver's line of sight, and therefore, decrease the speed with which the motorist can drive with comfort.

4. Realigned Intersections

A realigned intersection is created by changes in alignment at T-intersections with straight approaches into curving streets that meet at right angles. A former straight through movement on the top of the T intersections becomes a turning movement.

5. Center Island Narrowing

Center Island Narrowing is created by constructing raised islands along the center line of a street. The island narrows the travel lane at that location decreasing the speed that the motorist may drive with comfort.

6. Textured Pavement

A textured pavement is a roadway surface paved with brick, concreted pavers, stamped asphalt, or other surface material that produces constant small changes in vertical alignment.

7. Raised Crosswalks

A raised crosswalk is a flat raised area covering the entire intersection with ramps on all approaches. The raised area is often constructed with bricks or other textured materials. The crosswalk is usually raised to the sidewalk level of slightly below the sidewalk level.

7.0 PARKING RESTRICTIONS

On residential streets at least one unobstructed moving lane with a minimum width of 11 feet must be ensured even when parking occurs on both sides. In general, parking will not be allowed on curves where hazardous situations may be created. Engineering judgment will be used to determine if a parking restriction is warranted. Parking restrictions will be approved by the County Commission prior to posting.

7.1 Parking

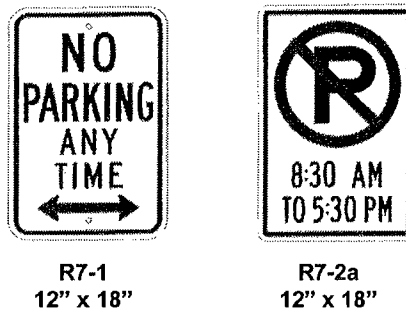
No parking shall be allowed on a road that has been signed or marked by means of official traffic control device. When it is determined that parking signs (R7 series) are needed, the proper installment of such signs shall follow the MUTCD, Sections 2B.34 to 2B.36. Parking signs should display the following information from top to bottom of the sign, in the order listed:

1. Restriction or prohibition;
2. Time of day if applicable, if not all hours; and
3. Days of week if applicable, if not every day.

If the parking restriction applies to a limited area or zone, arrows or supplemental plaques should show the limits of the restriction.

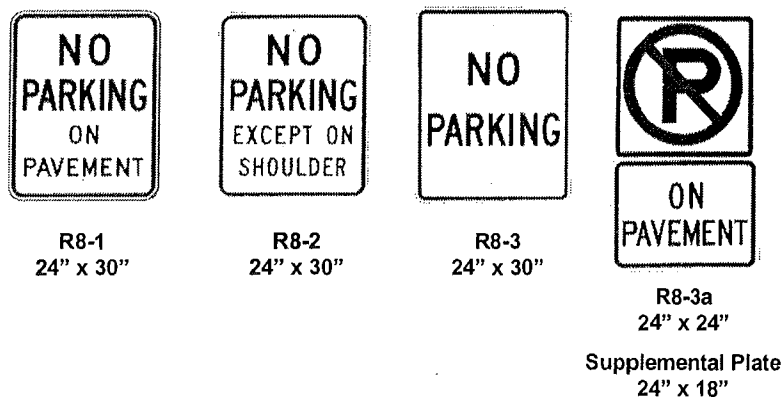
Figure 7 shows typical parking restriction signs used in urban environments.

Figure 7. Parking Restriction Signs



In rural districts, special parking prohibition signs may be used to emphasize that no person shall stop, park, or leave standing any vehicle on the paved or traveled part of the highway. The legend on rural parking signs must be appropriate to the restrictions imposed. Figure 8 displays common rural parking restriction signs.

Figure 8. Rural Parking Restriction Signs



8.0 TRAFFIC SIGNING AT LOW WATER CROSSINGS

Signing of low water crossings and other commonly flooded road areas is necessary to warn traffic of the potential for water to flow over the road surface. The County's goal is to install a series of three signs in advance of the potential flood areas in an effort to warn the motorist. The series of signs will consist of a 30-inch x 30-inch diamond-black on yellow warning sign stating "Flood Area Ahead", a 30-inch x 30-inch diamond-black on yellow warning sign stating "Impassable During High Water", and a 24-inch x 30-inch black on white regulatory sign stating "Do Not Enter When Flooded". The signs will be encountered by the motorist in the order listed above. The series of sign will be used on all approaches to an identified flood area. Existing conditions will be address as they become evident and as funding allows.

The County will not use signs noting the depth of water over the road due to the potential for movement of the sign without the County's knowledge resulting in the sign depicting an inaccurate water depth.

9.0 MOWING, TREE TRIMMING, AND BRUSH CUTTING

The County will periodically mow shoulders along all non-subdivision County roads. All areas will be mowed to a width of approximately 5 feet from the edge of the road. Other sight distance sensitive areas will be mowed to a greater width, whenever possible, to improve sight distance. The County will attempt to achieve sight distances at intersection equal to or greater than the stopping sight distances recommended in Table 4. The County will complete tree trimming and brush cutting within the right of way by request or by staff recommendation. The County will work with the property owners in order to achieve proper sight distance.

The County will allow the adjacent property owners to mow their respective right-of-way areas.

10.0 TRAFFIC COUNTS

Traffic count data is used to determine the frequency of vehicles on county maintained roads. Counts will be taken on roadway segments between intersections or other pertinent structure that may significantly affect the flow of traffic. The traffic count data will include, at a minimum, locations, volumes, times, and dates. Upon implementation of the GIS system, the traffic count information will be posted on a digital map of the County.

10.1 Procedure to Obtain a Traffic Count

There are four situations that may require the County to complete a traffic count on a certain road. Within each situation, a procedure is outlined to provide traffic count information and/or to complete a traffic count study. Traffic counts will not be taken during the winter months due to snow removal operations. These situations and procedures are as follows:

1. **Yearly Scheduled Counts:** Traffic counts will be completed on all County maintained arterial and collector roads once every three years; the traffic counts will be completed on rural roads with a current average daily traffic (ADT) greater than 200 vehicles per day once every three years; and the traffic counts will be completed on the rural roads with an ADT less than 200 vehicles per day once every six years.
2. **Citizen Request:** A citizen will be supplied with the of the most recent traffic count, the date of the traffic count, the location of the traffic count, and the anticipated year of the next count for the particular road requested. This information will be supplied, in writing, to the citizen. If the citizen feels that the traffic volume has significantly changed since the date of the latest traffic count, the citizen may request, in writing, for the County to complete a new traffic count of that

particular road. The written request must include the reason the citizen believes the traffic volume has significantly increased since the most recent traffic count. The County will review the request and if deemed applicable will complete a new traffic count and supply the citizen, in writing, the information of the new traffic study. If the County does not agree with the citizen's request, the County will supply, in writing, the reason that the County does not deem the traffic study necessary.

3. **Engineering Safety Study:** A traffic count may be required in conducting an engineering safety study of a road. The traffic count procedure will follow the requirements of the particular safety study.
4. **Joint Boone County/City of Columbia Study:** A traffic count may be completed to assist the City of Columbia on a thoroughfare study. The traffic count will consist of a 24-hour count on hourly intervals to determine the ADT of County maintained roads near the city limits. This joint traffic count is completed once every three years.

10.2 Completion of a Traffic Count

In most situations, the traffic counts will be taken on a seven-day interval and from that information an ADT volume will be derived. The traffic count information will be recorded on an hourly basis unless the study requires the information to be recorded on the quarter hour basis. On certain occasions, a 24-hour or a 48-hour recording period with the data recorded on an hour or quarter hour basis may be used.

The tube type counters can be used to determine ADT and, if desired, speed or type of vehicle counted. The traffic count equipment will be placed near the intersections of roads or in the vicinity of structure anticipated to cause a wide variation in traffic counts. The equipment will be placed such that it can be secured to a permanent fixture near the roadway. Consideration should be given to anticipated movement of the vehicles and structures that may affect the traffic flow (i.e. business, subdivision). A summary of the weather for the week of monitoring should also be recorded. A map of the area should be sketched. The map should include, at the minimum, the follow items:

1. Road names and numbers,
2. Physical locations of the counters,
3. GPS locations of the counters,
4. North arrow, and
5. Any other structures that may affect the flow of traffic.

The vehicle magnetic imaging (VMI) counters can be used for engineering studies that require more information than provided by the tube type counters. The VMI counters record the volume, speed, vehicle length classification, road surface temperature, road surface conditions (wet or dry), vehicle presence, and road occupancy. The VMI counters will only be used on paved roads and the road lanes need to be designated prior to placement of the VMI counters. As with the tube type counters, the VMI counters should be place near intersections or near structures that are anticipated to cause a variation in traffic flow. A map, as discussed above, should be used to record the field information.

10.3 Data Output

Once the traffic count information has been obtained, the ADT should be recorded in yearly traffic count database and the information should be updated in the GIS system. All other information should be used and recorded as needed for the various traffic studies. A paper copy of the map, the data collector output, and any related correspondence should be placed in the Traffic Count File.

11.0 TRAFFIC SAFETY ADMINISTRATION

Boone County shall establish and maintain certain data files tracking traffic accident history reports and traffic safety complaints. These data files provide the information necessary for the County to track and respond to traffic safety concerns in a timely matter and to document a discretionary decision, when required.

11.1 Accident Records

Traffic accident history reports available from the Missouri Highway Patrol Department will be reviewed semiannually. The pertinent information will then be summarized in table form and posted on the GIS system mapping, once implemented. The traffic accident information will include the following:

1. The location,
2. The type of accident,
3. The time and date of the accident,
4. The type of vehicle(s) involved,
5. The injury status, and
6. The damage to the vehicles.

This information will be review in evaluating safety projects in the County.

11.2 Safety Concerns

Safety concerns as described by the general public, county employees or officials, law enforcement personnel, and others will be addressed by the County. When a safety concern has been expressed, the concern will be documented, in writing, and include the name, address, and telephone number of the individual expressing the concern, the location of the safety concern, and the type of safety problem.

Once the concern has been documented, the County will review the safety problem. The review may include a site visit to the location, the traffic count data, the accident history, and other documented complaints. From this information, the County will develop an evaluation of the site and a prioritization of the safety concern as compared with other safety projects around the County. If applicable, an engineering design to improve the safety of the road may be developed.

Once the location of safety concern has been evaluated and prioritized, the individual expressing the concern will be notified, in writing, of the results of the evaluation and the action to be taken by the County. All documentation of the safety concern will be placed in the appropriate road file. A summary of the concern and the location will also be included in the GIS database, once implemented.