



January 13, 2005

Mr. Doug Brown, P.E.
Acting Director of Public Works
City Of Overland Park
8500 Santa Fe Drive
Overland Park KS 66212

**RE: County Assistance Road System (CARS)
Proposed 2006-2010 Five-Year Program**

Dear Mr. Brown:

The following documents are enclosed for your use in submitting your city's requested 2006-2010 CARS Five-Year Program to the Board of County Commissioners.

73. CARS Form A to be used in the preparation of your Five-Year Program application (instructions are included). This form is also on our web site @ <http://www.jocogov.org/pubwrks/Planning/cars.htm>
74. CARS Program Submittal – Definitions for Project Type
75. Objective Prioritization System reference scoring sheet.
76. Copies of Resolutions 058-94, 44-90, and 082-04 which define the Major Collectors eligible for County's participation through the CARS program.
77. Map of the Major CARS Collectors listed in the preceding resolutions.
78. A copy of the CARS Program Policies and Administrative Procedures, adopted on March 22, 2001, and a copy of Resolution No. 019-01, which approved the Policies and Guidelines.

Under the CARS Policies and Guidelines, projects on both Major Collectors, defined in the preceding Items 4 and 5, and Minor Collectors are eligible for program participation. Minor Collectors must provide a direct connection between two CARS Major Collectors or between a CARS Major Collector and a State Highway and have an average daily traffic count (ADT) of 3500 vehicles per day (VPD) in the urban area or 1500 VPD in the rural area. The CARS Policies and Guidelines also allow "route enhancement" projects which are sidewalk, bikeway, and street light construction projects along CARS eligible routes.

The "Objective Prioritization System" and the "80% Rule" will be used in formulating the 2006-2010 CARS Program. The information requested on CARS Form A is required to calculate a project's "score" with this system.

One project for each year **must be noted** as a 1ST priority. Please note that continuation projects are not automatically funded and should be submitted as “**first**” priority projects to insure funding.

The staff recommendation for the 2006-2010 CARS Program will be reviewed by the CARS Technical Review Committee prior to its presentation to the Board of County Commissioners. We anticipate scheduling this meeting in the summer of 2005.

Please complete the Five-Year Program form, and submit it along with the required supporting documentation by **March 1, 2005**, to:

Richard S. Frazier
Engineering Technician
Johnson County Public Works Department
1800 W. 56 Highway
Olathe, Kansas 66061

The required supporting documentation for your submittal is as follows:

1. A copy of the resolution or ordinance passed by your city's governing body that acknowledges review and acceptance of the requested Five-Year Program.
2. A city map showing locations of proposed projects on your Five-Year Program. Identify the projects by priority number.
3. A completed CARS Form A for each project on your Five-Year Plan.
4. Current project cost estimates prepared and sealed by a professional engineer for projects proposed for the 2006 program year.
5. Preliminary Engineering Report for projects proposed for the 2006 program year (This should include typical sections, plan & profile sheets, and a detailed description of the scope of work).

To assist in preparation of 2006-2010 CARS Program, we will accept submittal of Items 2-5 of the supporting documentation prior to official action of the governing body of your city. However, the ordinance or resolution addressed in Item 1 must be received by **March 15, 2005**, to validate your city's submittal.

Please feel free to call me at (913) 715-8334 or Richard S. Frazier at (913) 715-8335, if you have any questions or comments.

Thank you.

Sincerely,

Brian Pietig.
Design Engineer

Enclosures

cc Mac Andrew, P.E. – Director of Infrastructure & Transportation

CARS Form A
2006--2010 Project Application for the
County Assistance Road System (CARS) Program

Submit one form for each project. Make copies of this form as needed.

Complete & Return by March 1, 2006

Submitting City: _____ **Number 1 Priority (Y/N)** _____

Project Location: _____

Joint Project With: _____ **Administrating City:** _____

Contact Name & Title: _____ **County Commission District(s) #:** _____

Estimated Project Schedule: Start Date (mo/yr): _____ **Completion Date (mo/yr):** _____

Current Average Daily Traffic (ADT): _____ **Accident History (Prior 3 Years):** _____

Project Type: Capacity Major Maintenance Bridge Replacement Bridge Rehabilitation
Route Enhancement System Management

Current Level of Service (LOS) [System Management Projects Only]: _____

Sufficiency Rating (Bridge Projects): _____ **Pavement Condition:** Good Fair Poor

Detailed Description of Existing Facility:

Detailed Description of Project Scope:

Project Cost Information *

- 1. Design Cost: _____
- 2. Right-of-way acquisition cost: _____
- 3. Utility relocation Cost: _____
- 4. Construction cost: _____
- 5. Construction engineering cost: _____
- Total project cost: _____

Calculation of CARS Eligible costs:

- A. Sum item # 4 & 5 above (+) _____
- B. Federal Aid Participation (-) _____
- C. State Aid Participation (-) _____
- D. Other Non-local Participation (-) _____
- Subtotal (CARS eligible costs) _____
- CARS Funding request _____
(Request cannot exceed 50% of the CARS eligible costs)
- Funding participation by other cities:
 - City Name: _____ Funding: _____
 - City Name: _____ Funding: _____

*Program policies require that a licensed professional engineer prepare and seal construction cost estimates for upcoming fiscal year projects (i.e., 2006 Program Projects). A copy of the sealed estimates must be furnished for all 2006 CARS Program requests.

Instructions for Completing CARS Program Form A

A CARS Form A must be completed for each project submitted.

Line Title	Instructions
Submitting City:	Your city name
City Priority Ranking:	Projects must be listed in order of priority for each year based on the five year needs of your City. Each project should be preceded by a priority number (i.e., 1, 2, 3, etc.). Each year will have a "Number 1" priority project.
Project Location:	Project location generally consists of the major street on which the project is located and the limiting streets on each end of the project (i.e., State Line Road, 112th Street Terrace to Carondelet Drive).
Joint Project With:	If the project is a cooperative effort between two or more Johnson County cities, list all cities involved with the project. For 2006 projects, the administering city must attach letters from participating cities that acknowledge that city's participation in the project.
Adminstrating City:	Identify the city that will be responsible for administering the project.
Contact Name/title:	Identify an individual by name and title who can be contacted for information concerning the project.
County Commission District	Identify the County Commissioner District(s) in which the project is located.
Estimated Project Schedule (Start date/Completion date):	The estimated month and year for the start of construction and completion of construction should be entered on these lines.
Current ADT:	Current average daily traffic on the existing facility. Please note the year that the counts were taken in parentheses.
Accident History:	Give the number of accidents that have occurred within the project limits during the previous three years (2000--2002, for example).
Project Type	Circle or underline the appropriate project type. Definitions are attached.
Level of Service:	Give the current Level of Service (LOS) for System Management Projects.
Sufficiency Rating:	For bridge projects, note the sufficiency rating from the most recent SI & A sheet.
Pavement Condition:	Rate the existing pavement as follows: Good (pavement is good condition); Fair (pavement requires some maintenance); Poor (pavement in poor condition).
Detailed Description of Existing Facility / Deficiencies:	A detailed description of the existing facility should be entered in this column. Please note the number of lanes and pavement width of the existing facility.
Detailed Description of Scope of Project:	A detailed description of the proposed improvements to be included in the project should be entered in this column. Please note the number of lanes & pavement width of the proposed improvement
Design Cost:	Enter on this line the cost to design the proposed improvements.
Right-of-way Acquisition Costs:	Enter on this line the cost to acquire new right-of-way and easements for the proposed improvements.
Utility Relocation Costs:	Enter on this line the cost to relocate utilities for the project.
Construction Cost:	Enter on this line the estimated project construction cost.
Construction Engineering Cost:	Enter on this line the estimated cost to provide construction engineering and testing services for the project.
Sum item #4 & 5 Above:	Enter on this line the sum of construction costs and construction engineering costs.
Federal Aid Participation:	Enter on this line any Federal funding secured for the project.
State Aid Participation:	Enter on this line any state funding secured for the project.
Other Non Local Participation:	Enter on this line any other non-local funding secured for the project (i.e., Kansas City).
Subtotal (CARS Eligible Costs):	Line A minus Lines B, C and D
CARS Funding Request:	Any amount up to 50% of the CARS eligible costs.
Funding participation by other cities:	If this is a joint project, provide the other city name(s) and the level of participation in the total project costs. Please provide the estimated share in dollars and percentage of eligible project cost.

CARS Program Submittal Definitions for Project Type

Capacity Improvements: An improvement project which typically involves construction of additional through lanes to accommodate increasing traffic volumes. This category does not include geometric improvements or widenings at intersections.

Major Maintenance: Refers to range of activities associated with existing facilities. Major maintenance activities include reconstruction of an existing roadway, milling, overlays of 2 inches or more in thickness, significant full depth patching, joint repair projects, and significant curb repair projects.

System Management: Refers to intersection capacity, geometry or function improvements; traffic signal installations, upgrades, or interconnect systems; and spot improvements to roadway segments to improve traffic flow.

Bridge: Structures which span twenty feet or more as measured along the centerline of the roadway.

Replacement: A bridge replacement project will be considered as a “stand alone” project if the bridge has a Sufficiency Rating (SR) of less than 50 and the bridge is structurally deficient or functionally obsolete.

Rehabilitation: A bridge rehabilitation project is a major bridge maintenance project such as deck replacement or guardrail repair and upgrade. The bridge must have a Sufficiency Rating (SR) of less than 80 and the bridge must be classified as structurally deficient or functionally obsolete.

Route Enhancement: Route Enhancements refer to construction of sidewalks, bicycle paths, or street lights along major or minor CARS collector routes.

OBJECTIVE PRIORITIZATION SYSTEM

Approved as an Evaluation Tool by the CARS Technical Review Committee on November 19, 1998.

1. Cost Benefit Rating , "C/B" (weight = 29%)
(Proposed CARS Program funding / Current ADT of facility)

	C/B	≤	20	=	5 points
20 <	C/B	≤	50	=	3 points
50 <	C/B			=	0 points

2. Pavement Condition using a "Good-Fair-Poor" system (weight = 24%)

Good	=	Ride is comfortable; few distortions and no large swags; little, if any patching required; any required patching is for surface defects only. Minimal or no maintenance required.	=	0 points
Fair	=	Ride uncomfortable at speed limit in some areas within the proposed project limits; some areas of base failure evident; patching or areas requiring patching evident. Resurfacing with minimal base repair required.	=	3 points
Poor	=	Uncomfortable to drive at speed limit; numerous distortions due to base failures; extensive patching. Resurfacing with extensive base repair or reconstruction required.	=	5 points

3. Level of Service (weight = 19%)

Level A or B	=	1 point
Level C	=	3 points
Level D or below	=	5 points

4. Accident history (weight = 14%)

28 or more accidents in 3 years	5 points
16 to 27 accidents in 3 years	4 points
7 to 15 accidents in 3 years	3 points
6 or fewer accidents in 3 years	0 points

5. System continuity - constructing missing links (weight = 9%)

Missing link = 5 points – A new roadway section connecting two or more existing routes or an improvement project which widens a roadway segment to be consistent with the width of adjoining roadway segments.

6. Average Daily Traffic (weight = 5%)

Urban	3,500 - 4,999	=	1 point
Urban	5,000 - 14,999	=	3 points
Urban	15,000 +	=	5 points
Rural	1,500 - 2,000	=	1 point
Rural	2,001 - 3,000	=	3 points
Rural	3,001 +	=	5 points

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Rural	1,500 - 2,000	=	1 point
Rural	2,001 - 3,000	=	3 points
Rural	3,001 +	=	5 points