



Appendix F

Farmland Conversion Impact Rating



3915 Oakland Avenue, Suite 103, St. Joseph, MO. 64506

September 21, 2004

Mr. David L. Kocour
URS Corporation
10975 El Monte, Suite 100
Overland Park, KS 66211

Dear Mr. Kocour:

Attached are the Farmland Conversion Impact Ratings (forms AD-1006) for the I-70 widening projects in Jackson County, Missouri. The majority of these acres qualified as land already in urban development. The urban acres are not subject to FPPA. The remaining acres are subject to FPPA and are included in the forms AD-1006. The project acres in Subsection 2 are considered all urban, therefore FPPA does not apply for this subsection. Subsections 1, 3, and 4 contain both prime farmland, and farmland of statewide importance. Subsections 1, 3, and 4 also had a significant amount of acres that are urban, and these acres would not be subject to FPPA. Sections VI and VII are to be completed by you, or by the agency providing federal funding for the project. After you, or the funding agency has completed these forms, please return one copy to my office.

If you have any questions, please call me at 816-232-6555 ext. 138.

Sincerely,

A handwritten signature in cursive script, reading "David K. Kacirek", is written over a horizontal line.

David K. Kacirek
Area Resource Soil Scientist

Attachment

cc: Daniel S. Switzner, District Conservationist, Liberty, MO.

FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

PART I (To be completed by Federal Agency)		3. Date of Land Evaluation Request <u>8/15/04</u>	4. Sheet 1 of <u>6</u>
1. Name of Project <u>I-70 2nd Tier Environmental (SU1)</u>		5. Federal Agency Involved <u>Federal Highway Administration</u>	
2. Type of Project <u>Highway Widening</u>		6. County and State <u>Jackson, Missouri</u>	

PART II (To be completed by NRCS)		7. Date of Assessment by NRCS <u>8/17/04</u>	8. Person Completing Form <u>John K. ...</u>
9. Does the land contain a unique statewide or local important natural resource that may be affected by the proposed action and its associated effects? <u>No</u>		10. Address of the site <u>...</u>	
11. Major Roads <u>...</u>	12. Farmable Land in Government Jurisdiction <u>Yes</u>	13. Number of Farmable Acres in Government Jurisdiction <u>...</u>	14. Number of Acres in Government Jurisdiction <u>...</u>
15. Name of Local Evaluation System Used <u>...</u>	16. Number of Local Site Assessment System <u>...</u>	17. Date of Land Evaluation Formed by NRCS <u>...</u>	

PART III (To be completed by Federal Agency)	Alternative Corridor For Segment <u>1</u>			
	Corridor <u>1-1</u>	Corridor <u>1-2</u>	Corridor	Corridor
A. Total Acres To Be Converted Directly	<u>26.3</u>	<u>31.4</u>		
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor	<u>191.3</u>	<u>196.4</u>		

PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland	<u>...</u>	<u>...</u>		
B. Total Acres Statewide And Locally Important Farmland	<u>...</u>	<u>...</u>		
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted	<u>...</u>	<u>...</u>		
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value	<u>...</u>	<u>...</u>		
PART V (To be completed by NRCS) Land Evaluation Information Given on Relative Value of Farmland to Be Saved or Converted (Scale of 0-100 Points)				
	<u>72</u>	<u>72</u>		

PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))		Maximum Points			
1. Area in Nonurban Use	15	<u>7</u>	<u>7</u>		
2. Perimeter in Nonurban Use	10	<u>5</u>	<u>5</u>		
3. Percent Of Corridor Being Farmed	20	<u>10</u>	<u>10</u>		
4. Protection Provided By State And Local Government	20	<u>0</u>	<u>0</u>		
5. Size of Present Farm Unit Compared To Average	10	<u>8</u>	<u>8</u>		
6. Creation Of Nonfarmable Farmland	25	<u>0</u>	<u>0</u>		
7. Availability Of Farm Support Services	5	<u>5</u>	<u>5</u>		
8. On-Farm Investments	20	<u>1</u>	<u>1</u>		
9. Effects Of Conversion On Farm Support Services	25	<u>0</u>	<u>0</u>		
10. Compatibility With Existing Agricultural Use	10	<u>9</u>	<u>9</u>		
TOTAL CORRIDOR ASSESSMENT POINTS	160	<u>45</u>	<u>45</u>		

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	<u>72</u>	<u>72</u>		
Total Corridor Assessment (From Part VI above or a local site assessment)	160	<u>45</u>	<u>45</u>		
TOTAL POINTS (Total of above 2 lines)	260	<u>117</u>	<u>117</u>		

1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part: _____ DATE _____

NOTE: Complete a form for each segment with more than one Alternate Corridor

FARMLAND CONVERSION IMPACT RATING
FOR CORRIDOR TYPE PROJECTS

PART I (To be completed by Federal Agency)		3. Date of Land Evaluation Request	8/15/04	4. Sheet <u>2</u> of <u>6</u>
1. Name of Project <u>F-70 2nd Tier Environmental (SUI)</u>		5. Federal Agency Involved <u>Federal Highway Administration</u>		
2. Type of Project <u>Highway Widening</u>		6. County and State <u>JACKSON, Missouri</u>		

PART II (To be completed by NRCS)		11. Date of Review by NRCS	12. Person Completing Part II
13. Acres of Farmland to be Converted (From Part I)		14. Acres of Farmland to be Protected	15. Average Farm Size
16. Major Roadway		17. Farmable Land in Government Jurisdiction	18. Amount of Farmland As Designated in PDPA
19. Name of Land Evaluation System Used		20. Name of Local Site Assessment System	21. Date Land Evaluation Performed by NRCS

PART III (To be completed by Federal Agency)	Alternative Corridor For Segment <u>2</u>			
	Corridor <u>2-1</u>	Corridor <u>2-2</u>	Corridor	Corridor
A. Total Acres To Be Converted Directly	6.0	16.2		
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor	183	193.2		

PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland				
B. Total Acres Statewide And Local Important Farmland				
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted				
D. Percentage Of Farmland In Local Jurisdiction With Same Or Higher Relative Value				
PART V (To be completed by NRCS) Land Evaluation Information (On a Relative Value Of Farmland To Be Served Or Converted (Scale Of 0 - 100 Points))				

PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points				
1. Area in Nonurban Use	15	5	5		
2. Perimeter in Nonurban Use	10	0	0		
3. Percent Of Corridor Being Farmed	20	0	0		
4. Protection Provided By State And Local Government	20	0	0		
5. Size of Present Farm Unit Compared To Average	10	0	0		
6. Creation Of Nonfarmable Farmland	25	0	0		
7. Availability Of Farm Support Services	5	5	5		
8. On-Farm Investments	20	0	0		
9. Effects Of Conversion On Farm Support Services	25	0	0		
10. Compatibility With Existing Agricultural Use	10	0	0		
TOTAL CORRIDOR ASSESSMENT POINTS	160	10	10		

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100				
Total Corridor Assessment (From Part VI above or a local site assessment)	160	10	10		
TOTAL POINTS (Total of above 2 lines)	260				

1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part:

DATE

NOTE: Complete a form for each segment with more than one Alternate Corridor

**FARMLAND CONVERSION IMPACT RATING
FOR CORRIDOR TYPE PROJECTS**

PART I (To be completed by Federal Agency)		3. Date of Land Evaluation Request <u>8/15/04</u>	4. Sheet <u>3</u> of <u>6</u>
1. Name of Project <u>I-70 2nd Tier Environmental (SIU1)</u>		5. Federal Agency Involved <u>Federal Highway Administration</u>	
2. Type of Project <u>Highway Widening</u>		6. County and State <u>Jackson, Missouri</u>	
PART II (To be completed by NRCS)		7. Person Completing Form	
8. Date of Last Approval by NRCS		9. Address of Project	
10. Name of Local Site Assessment System		11. Date of Evaluation Required by NRCS	

PART III (To be completed by Federal Agency)	Alternative Corridor For Segment <u>3</u>			
	Corridor <u>3-1</u>	Corridor <u>3-2</u>	Corridor	Corridor
A. Total Acres To Be Converted Directly	<u>35.9</u>	<u>42.1</u>		
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor	<u>781.9</u>	<u>788.1</u>		
PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland	<u>4</u>	<u>4</u>		
B. Total Acres Statewide And Locally Important Farmland	<u>8</u>	<u>8</u>		
C. Percentage Of Farmland In County Or Local Gov. Unit To Be Converted	<u>100</u>	<u>100</u>		
D. Percentage Of Farmland In Gov. Jurisdiction With Same Or Higher Relative Value	<u>17.3</u>	<u>17.3</u>		
PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative Value Of Farmland To Be Serviced Or Converted (Scale Of 0 - 100 Points)				
	<u>89</u>	<u>89</u>		

PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))		Maximum Points			
1. Area In Nonurban Use	15	<u>7</u>	<u>7</u>		
2. Perimeter In Nonurban Use	10	<u>5</u>	<u>5</u>		
3. Percent Of Corridor Being Farmed	20	<u>10</u>	<u>10</u>		
4. Protection Provided By State And Local Government	20	<u>0</u>	<u>0</u>		
5. Size Of Present Farm Unit Compared To Average	10	<u>8</u>	<u>8</u>		
6. Creation Of Nonfarmable Farmland	25	<u>0</u>	<u>0</u>		
7. Availability Of Farm Support Services	5	<u>5</u>	<u>5</u>		
8. On-Farm Investments	20	<u>1</u>	<u>1</u>		
9. Effects Of Conversion On Farm Support Services	25	<u>0</u>	<u>0</u>		
10. Compatibility With Existing Agricultural Use	10	<u>9</u>	<u>9</u>		
TOTAL CORRIDOR ASSESSMENT POINTS	160	<u>45</u>	<u>45</u>		

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	<u>89</u>	<u>89</u>		
Total Corridor Assessment (From Part VI above or a local site assessment)	160	<u>45</u>	<u>45</u>		
TOTAL POINTS (Total of above 2 lines)	260	<u>134</u>	<u>134</u>		

1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part: _____ DATE _____

NOTE: Complete a form for each segment with more than one Alternate Corridor

**FARMLAND CONVERSION IMPACT RATING
FOR CORRIDOR TYPE PROJECTS**

PART I (To be completed by Federal Agency)		3. Date of Land Evaluation Request <u>8/15/04</u>	4. Sheet <u>4</u> of <u>6</u>
1. Name of Project <u>I-70 2nd Tier Environmental (SIU1)</u>		5. Federal Agency Involved <u>Federal Highway Administration</u>	
2. Type of Project <u>Highway Widening</u>		6. County and State <u>Jackson/Lafayette, Missouri</u>	

PART II (To be completed by NRCS)		1. Date of Evaluation by NRCS	2. Person Completing Form
Does the project contain prime, unique, or local farmland?		3. Acres of Prime Farmland	4. Acres of Unique Farmland
If no, and FPA does not apply, do not complete additional parts of this form.		5. Acres of Local Farmland	6. Acres of Farmland of National Importance
7. Major Cropland	8. Farmland in State Government Jurisdiction	9. Anticipated Farmland Acquisition EPA	
10. Name of Land Evaluation System Used <u>LESA</u>	11. Name of Local Site Assessment System	12. Date of Evaluation by NRCS <u>9-21-04</u>	

PART III (To be completed by Federal Agency)	Alternative Corridor For Segment <u>4</u>			
	Corridor <u>4-1</u>	Corridor <u>4-2</u>	Corridor <u>4-3</u>	Corridor
A. Total Acres To Be Converted Directly	<u>117.8</u>	<u>87.1</u>	<u>81.2</u>	
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor	<u>329.8</u>	<u>299.1</u>	<u>293.2</u>	
PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime and Unique Farmland	<u>13</u>	<u>7</u>	<u>7</u>	
B. Total Acres Statewide Architectural Important Farmland	<u>5</u>	<u>5</u>	<u>5</u>	
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted	<u>100</u>	<u>100</u>	<u>100</u>	
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value	<u>20.7</u>	<u>20.7</u>	<u>20.7</u>	
PART V (To be completed by NRCS) Land Evaluation Information Concern Relative Value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)	<u>92</u>	<u>96</u>	<u>96</u>	

PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points				
1. Area In Nonurban Use	15	<u>10</u>	<u>10</u>	<u>10</u>	
2. Perimeter In Nonurban Use	10	<u>8</u>	<u>8</u>	<u>8</u>	
3. Percent Of Corridor Being Farmed	20	<u>10</u>	<u>10</u>	<u>10</u>	
4. Protection Provided By State And Local Government	20	<u>0</u>	<u>0</u>	<u>0</u>	
5. Size Of Present Farm Unit Compared To Average	10	<u>9</u>	<u>9</u>	<u>9</u>	
6. Creation Of Nonfarmable Farmland	25	<u>5</u>	<u>5</u>	<u>5</u>	
7. Availability Of Farm Support Services	5	<u>5</u>	<u>5</u>	<u>5</u>	
8. On-Farm Investments	20	<u>1</u>	<u>1</u>	<u>1</u>	
9. Effects Of Conversion On Farm Support Services	25	<u>1</u>	<u>1</u>	<u>1</u>	
10. Compatibility With Existing Agricultural Use	10	<u>8</u>	<u>8</u>	<u>8</u>	
TOTAL CORRIDOR ASSESSMENT POINTS	160	<u>57</u>	<u>57</u>	<u>57</u>	

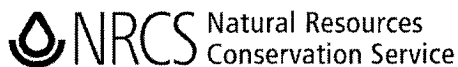
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	<u>92</u>	<u>96</u>	<u>96</u>	
Total Corridor Assessment (From Part VI above or a local site assessment)	160	<u>57</u>	<u>57</u>	<u>57</u>	
TOTAL POINTS (Total of above 2 lines)	260	<u>149</u>	<u>153</u>	<u>153</u>	

1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part: _____ DATE _____

NOTE: Complete a form for each segment with more than one Alternate Corridor



Area Office, 1911 Boggs Creek Road, Jefferson City, Missouri 65101

Phone: 573 761-3105 Ext. 5

November 17, 2004

Mr. Charles Arthur
URS Corporation
10975 El Monte, Suite 100
Overland Park, KS 66211

Dear Mr. Arthur,

This letter accompanies a revised CPA-106 form per your request for Farmland Conversion Impact Ratings for new SIU 1 alternatives for widening I-70 in Lafayette County. As per your electronic correspondence, the "old" segments have been reorganized. 5-1 and 6-1 were combined into 5-1; 5-1 and 6-2 were combined into 5-2; 5-2 and 6-1 were combined into 5-3; and 5-2 and 6-2 were combined into 5-4. The revised 106 reflects these changes. After you complete the form, please return one copy for our records.

Please feel free to contact me if I can be of further assistance.

Keith Davis
Area Resource Soil Scientist

Cc: Tony Bittiker, District Conservationist, Higginsville

**FARMLAND CONVERSION IMPACT RATING
FOR CORRIDOR TYPE PROJECTS**

PART I (To be completed by Federal Agency)		3. Date of Land Evaluation Request 11/17/04	4. Sheet 1 of 1
1. Name of Project I-70 2nd Tier EA SIU 1		5. Federal Agency Involved Federal Highway Administration	
2. Type of Project Highway Widening		6. County and State Lafayette, MO	
PART II (To be completed by NRCS)		1. Date Request Received by NRCS	2. Person Completing Form Keith Davis
3. Does the corridor contain prime, unique statewide or local important farmland? (If no, the FPPA does not apply - Do not complete additional parts of this form.) YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		4. Acres Irrigated Average Farm Size 287	
5. Major Crop(s) Corn, For index	6. Farmable Land in Government Jurisdiction Acres: 384,362 % 94		7. Amount of Farmland As Defined in FPPA Acres: 384,362 % 94
8. Name Of Land Evaluation System Used Lafayette County	9. Name of Local Site Assessment System None	10. Date Land Evaluation Returned by NRCS 11/17/04	

PART III (To be completed by Federal Agency)		Alternative Corridor For Segment			
		5-1	5-2	5-3	5-4
A. Total Acres To Be Converted Directly		311.4	317.4	332.0	338.0
B. Total Acres To Be Converted Indirectly, Or To Receive Services					
C. Total Acres In Corridor		311.4	317.4	332.0	338.0
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland		143.8	154.3	131.2	141.7
B. Total Acres Statewide And Local Important Farmland		161.5	157.1	187.7	183.3
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted		0.081	0.083	0.086	0.088
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value		53	47	53	53
PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)		78	79	75	75
PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))		Maximum Points			
1. Area In Nonurban Use	15	11	11	11	11
2. Perimeter In Nonurban Use	10	7	7	7	7
3. Percent Of Corridor Being Farmed	20	14	14	14	14
4. Protection Provided By State And Local Government	20	0	0	0	0
5. Size Of Present Farm Unit Compared To Average	10	9	9	9	9
6. Creation Of Nonfarmable Farmland	25	5	5	5	5
7. Availability Of Farm Support Services	5	5	5	5	5
8. On-Farm Investments	20	1	1	1	1
9. Effects Of Conversion On Farm Support Services	25	1	1	1	1
10. Compatibility With Existing Agricultural Use	10	8	8	8	8
TOTAL CORRIDOR ASSESSMENT POINTS		160	61	61	61
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)		100	78	79	75
Total Corridor Assessment (From Part VI above or a local site assessment)		160	61	61	61
TOTAL POINTS (Total of above 2 lines)		260	139	140	136
1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>		

5. Reason For Selection:

Signature of Person Completing this Part:

DATE

NOTE: Complete a form for each segment with more than one Alternate Corridor



Appendix G

Missouri Department of Transportation

General NPDES Permit

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT
WATER POLLUTION CONTROL PROGRAM

General Operating Permit

In compliance with the Missouri Clean Water Law, (chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended.

Permit No.:

MO-R100007

Owner:

MODOT

Address:

PO Box 270

Jefferson City, MO 65102

Continuing Authority:

Same

Same

Facility Name:

MODOT, Road Construction Projects

Facility Address:

Statewide,

Legal Description:

Various throughout the state, Statewide County

Receiving Stream:

Various throughout the state

First Classified Stream

Various throughout the state

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein.

FACILITY DESCRIPTION All Outfalls, SIC 1629

Construction or land disturbance activity (e.g., clearing, grubbing, excavating, grading, and other activity that results in the destruction of the root zone) that are performed by or under contract to a city, county, or other governmental jurisdiction that has a storm water control program for land disturbance activities that has been approved by the Missouri Department of Natural Resources.

This permit authorizes only wastewater, including storm waters, discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System, it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law

April 19, 2002

Effective date

April 11, 2003

Issue date

PS

Stephen M. Mahood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

Jim Hull
Director of Staff, Clean Water Commission

April 18, 2007

Expiration date

MO 780-1481 (7-94)