

Aitkin County Board of Commissioners  
Request for County Board Action/Agenda Item Cover Sheet



To: Chairperson, Aitkin County Board of Commissioners Date: 1-31-12

Via: Patrick Wussow, County Administrator

From: John Welle

Title of Item:

2012-2016 Capital Road Improvement Program

Requested Meeting Date: 2-7-12 Estimated Presentation Time: 45 minutes

Presenter: John Welle

**Type of Action Requested** (check all that apply)

- For info only, no action requested
- For discussion only with possible future action
- Let/Award Bid or Quote (attach copy of basic bid/quote specs or summary of complex specs, each bid/quote received & bid/quote comparison)
- Approve/adopt proposal by motion
- Authorize filling vacant staff position
- Request to schedule public hearing or sale
- Request by member of the public to be heard
- Item should be addressed in closed session under MN Statute \_\_\_\_\_
- Approve under Routine Business
- Adopt Ordinance Revision
- Approve/adopt proposal by resolution (attach draft resolution)
- Other (please list) \_\_\_\_\_

**Fiscal Impact** (check all that apply)

- Is this item in the current approved budget?  Yes  No (attach explanation)
- What type of expenditure is this?  Operating  Capital  Other (attach explanation)
- Revenue line account # that funds this item is: \_\_\_\_\_
- Expenditure line account # for this item is: \_\_\_\_\_

**Staffing Impact** (Any yes answer requires a review by Human Resources Manager before going to the board)

- Duties of a department employee(s) may be materially affected.  Yes  No
- Applicable job description(s) may require revision.  Yes  No
- Item may impact a bargaining unit agreement or county work policy.  Yes  No
- Item may change the department's authorized staffing level.  Yes  No



**Supporting Attachment(s)**

- Memorandum Summary of Item
- Copy of applicable county policy and/or ordinance (excerpts acceptable)
- Copy of applicable state/federal statute/regulation (excerpts acceptable)
- Copy of applicable contract and/or agreement
- Original bid spec or quote request (excluding complex construction projects)
- Bids/quotes received (excluding complex construction projects, provide comparison worksheet)
- Bid/quote comparison worksheet
- Draft County Board resolution
- Plat approval check-list and supporting documents
- Copy of previous minutes related to this issue
- Other supporting document(s) (please list) four (4) worksheets

**Provide eleven (11) copies of supporting documentation NO LATER THAN Wednesday at 8:00am to make the Board's agenda for the following Tuesday. Items WILL NOT be placed on the Board agenda unless complete documentation is provided for mailing in the Board packets. (see reverse side for details)**

## AITKIN COUNTY COMMISSIONER'S MEMO

**TO:** Aitkin County Commissioners  
Patrick Wussow, County Administrator

**FROM:** John Welle

**DATE:** February 1, 2012

**REGULAR AGENDA ITEM:** 2012-2016 Capital Road Improvement Program

As discussed frequently over the past year, we will need to implement a new 5-year capital road improvement program this year to replace the 2006-2011 that we had been working from. The challenge for the next program will be balance the desired projects with available revenues.

To begin the discussion, I am providing four attachments for your review. The first worksheet labeled Current Status of 2006-2011 Capital Road Improvement Program proves the completion status of all projects that were included in that 5-year program. The attachment labeled 2006-2011 Capital Road Improvement Program Notes provides a summary of the percentage of the program that has been completed, along with actual versus programmed cost data. From this worksheet, overall construction costs have been 52% higher than programmed, which is the primary reason that only 55% of the program has been completed.

The third attachment labeled Potential Projects for 2012-2016 Capital Road Improvement Program lists a starting point for the projects that may be included in the next 5-year program. These projects are divided into three categories: uncompleted projects from the 2006-2011 program, additional bridge replacement projects that need to be added, and existing pavements that will need an overlay by 2016. From the cost breakdown shown at the bottom of this sheet, after accounting for project-specific state and federal grants that are anticipated for the various projects, \$21.2 million is needed to deliver the state-aid project list and \$3.0 million is needed to deliver the county road project. The fourth attachment labeled Financial Analysis of Potential 2012-2016 Project List shows all revenue sources for the state-aid and county road projects as compared to the estimated costs of these projects. From this worksheet, the state-aid projects are estimated to be \$7.1 million short over the five-year period, while the county road projects will be fully funded if we continue to levy \$607,000 for 2013, 2014, and 2015.

My goal with this first session is simply to define the problem that we are going to have funding this next five-year program. For future sessions, I will provide options of dealing with this shortage of funds.

## Current Status of 2006 - 2011 Capital Road Improvement Program

Orange highlight indicates project completed.

Green highlight indicates project not yet completed.

Yellow highlight indicates project that was in program contingent on special federal funding, but funding not currently available.

Project	Length	Location	Program Year	Programmed Cost Estimate	Completed?	Bid Cost
CSAH 32 Grading	3.3	CSAH 6 to CSAH 31	2005	\$ 600,000	no - 2012	
CSAH 10 Grading	6.8	CSAH 18 to 6.8 miles north	2007	\$ 1,875,000	yes - 2010	\$ 1,695,000
CSAH 26 Bridge Repl.	0.1	0.9 mile west of TH 65	2007	\$ 100,000	yes - 2008	\$ 101,000
CSAH 32 Paving	3	CSAH 31 to Carlton Co. Line	2007	\$ 357,000	yes - 2011	\$ 754,000
CSAH 32 Paving	3.3	CSAH 6 to CSAH 31	2007	\$ 393,000	no	
CR 62 Grading/Paving	1	TH 232 to 1 mile south	2007	\$ 200,000	yes - 2009/2010	\$ 426,000
CR 73 Bridge Repl.	0.1	1.0 mile south of CSAH 6	2007	\$ 100,000	yes - 2010	\$ 104,000
CR 241 Grading	0.6	US Hwy 169 to 0.6 mile east	2007	\$ 100,000	yes - 2011	\$ 185,000
CSAH 1 Grading/Paving	2.5	Mississippi River to CSAH 22	2008	\$ 825,000	yes - 2009	\$ 1,441,000
CSAH 5 Grading	1	TH 47 to 1 mile north	2008	\$ 120,000	no - 2012	
CSAH 10 Paving	8.2	TH 200 to 8.2 miles south	2008	\$ 750,000	yes-2011	\$ 1,427,000
CSAH 10 Paving	6.8	CSAH 18 to 6.8 miles north	2008	\$ 910,000	yes - 2010	\$ 1,691,000
CSAH 10 Grading	7.1	US Hwy 169 to TH 232	2008	\$ 1,930,000	no	
CSAH 14 Bridge Repl.	0.1	4 miles north of TH 65	2008	\$ 800,000	yes - 2010	\$ 1,288,000
CSAH 33 Paving	0.29	US Hwy 169 to 0.29 mile east	2008	\$ 60,000	yes - 2010	\$ 293,000
CSAH 38 Paving	6.1	CSAH 2 to Mille Lacs County Line	2008	\$ 650,000	yes - 2007	\$ 635,000
CR 241 Paving	0.6	US Hwy 169 to 0.6 mile east	2008	\$ 60,000	yes - 2011	\$ 115,000
CSAH 3 Bridge Repl.	0.1	2 miles east of US Hwy 169	2009	\$ 770,000	yes - 2011	\$ 1,271,000
CSAH 4 Paving	14.4	TH 47 to TH 65	2009	\$ 1,080,000	yes - 2008	\$ 2,611,000
CSAH 5 Paving	1	TH 47 to 1 mile north	2009	\$ 120,000	no - 2012	
CSAH 21 Grading	6.9	CSAH 1 to US Hwy 169	2009	\$ 1,995,000	no	
CSAH 25 Grading	3.3	Kanabec County Line to CSAH 23	2009	\$ 630,000	no	
CR 60 Grading	5.08	Kanabec County Line to TH 18	2009	\$ 850,000	yes - 2011	\$ 1,202,000
CR 77 Paving	0.54	US Hwy 169 to US Hwy 169	2009	\$ 35,000	no	
CSAH 1 Bridge Repl.	0.01	2 miles north of CSAH 22	2010	\$ 850,000	yes- 2010	\$ 953,000
CSAH 10 Paving	7.1	US Hwy 169 to TH 232	2010	\$ 1,010,000	no	
CSAH 14 Paving	2.3	TH 65 to 2.3 miles north	2010	\$ 250,000	no	
CSAH 21 Paving	6.9	CSAH 1 to US Hwy 169	2010	\$ 980,000	no	
CSAH 25 Paving	3.3	Kanabec County Line to CSAH 23	2010	\$ 430,000	no	
CSAH 36 Paving	1.6	CSAH 14 to 1.6 miles north	2010	\$ 150,000	no	
CR 53 Grading	2.3	1 mile north of CSAH 4 to CSAH 5	2010	\$ 460,000	no	
CR 60 Paving	5.08	Kanabec County Line to TH 18	2010	\$ 670,000	no - 2012	
CSAH 3 Paving	5.64	US Hwy 169 to TH 232	2011	\$ 590,000	no -2012	
CSAH 5 Paving	7.5	Th 210 to TH 232	2011	\$ 775,000	yes - 2009	\$ 680,000
CSAH 10 Paving	6.8	TH 232 to 6.8 miles north	2011	\$ 590,000	no	
CSAH 12 Grading/Paving	2	CSAH 39 (n. jct.) to TH 47	2011	\$ 750,000	no - 2012	
CSAH 12 Grading/Paving	2.4	Oriole Avenue to CSAH 39 (n. jct.)	2011	\$ 900,000	no	
CSAH 28 Bridge Repl.	1	1.5 mile north of US Hwy 169	2011	\$ 110,000	no	
CR 53 Paving	2.3	1 mile north of CSAH 4 to CSAH 5	2011	\$ 425,000	no	
CR 73 Bridge Repl.	1	0.5 mile north of TH 210			yes-2011	\$ 165,000
CSAH 6 Paving	7.9	TH 210 to 7.9 miles northwest			yes-2011	\$ 1,446,000

## 2006 -2011 Capital Road Improvement Program Notes

Percentage of Program Completed To Date: 55%  
Percentage of Program Completed by end of 2012: 69%

Both of the above percentages are based on original programmed cost.

The reason that more of the program hasn't been delivered is primarily due to cost.

Programmed cost of 18 completed projects:	\$ 11,112,000	
Bid cost of 18 completed projects:	\$ 16,872,000	52% cost increase actual versus programmed

# Financial Analysis of Potential 2012-2016 Project List

## County State-aid Highways:

### Estimated Revenues:

#### State-Aid Revenue available for construction:

2012	\$	-
2013	\$	2,250,000
2014	\$	2,300,000
2015	\$	2,350,000
2016	\$	2,400,000
2017	\$	2,450,000

Commitment to match Great River Road High Priority Funds with local funds:	\$	820,000
Remaining Commitment (of total \$2.26 million general fund transfer):	\$	1,510,000
<b>Total:</b>	\$	<b>14,080,000</b>

### Estimated Expenditures:

From list of potential project for 2012-2016 Program:	\$	<b>21,182,000</b>
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<b>Estimated Shortage of Funds:</b>	\$	<b>7,102,000</b>
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## County Roads:

### Estimated Revenues:

Balance Available from previous year's \$607,000 annual levy:	\$	600,000
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#### County Levy:

2012	\$	607,000
2013	\$	607,000
2014	\$	607,000
2015	\$	607,000
2016	\$	-

<b>Total:</b>	\$	<b>3,028,000</b>
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### Estimated Expenditures:

From list of potential project for 2012-2016 Program:	\$	<b>2,975,000</b>
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<b>Estimated Surplus of Funds:</b>	\$	<b>53,000</b>
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## Potential Projects for 2012 - 2016 Capital Road Improvement Program

### 1. Remaining Projects from 2006 - 2011 Program:

Project	Length	Location	Current Cost Estimate	Grants Available	Additional Funds Needed		Notes
					State-Aid Routes	County Road Routes	
<b>County State-Aid Highway:</b>							
CSAH 3 Paving	5.64	US Hwy 169 to TH 232	\$ 1,818,000	\$ 700,000	\$ 1,118,000		\$700,000 federal grant
CSAH 5 Grading/Paving	1	TH 47 to 1 mile north	\$ 616,000	\$ 250,000	\$ 366,000		\$250,000 state bond grant - transportation economic development
CSAH 10 Grading	7.1	US Hwy 169 to TH 232	\$ 2,100,000	\$ 1,680,000	\$ 420,000		\$1,680,000 federal high priority grant, \$420,000 GRR local commitment
CSAH 10 Paving	7.1	US Hwy 169 to TH 232	\$ 2,000,000	\$ 582,000	\$ 1,418,000		\$582,000 remaining federal high priority grant, \$400K GRR local commitment
CSAH 10 Paving	6.8	TH 232 to 6.8 miles north	\$ 1,100,000	\$ -	\$ 1,100,000		
CSAH 12 Grading/Paving	2	CSAH 39 to TH 47	\$ 1,400,000	\$ -	\$ 1,400,000		
CSAH 12 Grading/Paving	2.4	CSAH 39 to TH 47	\$ -	\$ -	\$ -		
CSAH 14 Paving	2.3	TH 65 to 2.3 miles north	\$ 500,000	\$ -	\$ 500,000		Pavement will be 20 years old in 2019 - delay beyond 2016.
CSAH 25 Grading	3.3	Kanabec County Line to CSAH 23	\$ 1,100,000	\$ -	\$ 1,100,000		
CSAH 25 Paving	3.3	Kanabec County Line to CSAH 23	\$ 1,000,000	\$ -	\$ 1,000,000		
CSAH 28 Bridge Repl.	0.1	CSAH 28 over Ripple River	\$ 150,000	\$ 75,000	\$ 75,000		Anticipated \$75,000 state bond grant - bridge replacement
CSAH 32 Grading	3.3	CSAH 6 to CSAH 31	\$ 1,075,000	\$ -	\$ 1,075,000		
CSAH 32 Paving	3.3	CSAH 6 to CSAH 31	\$ 800,000	\$ -	\$ 800,000		
CSAH 36 Paving	1.6	CSAH 14 to 1.6 miles north	\$ 300,000	\$ -	\$ 300,000		
<b>County Road:</b>							
CR 53 Grading	2.3	1 mile north of CSAH 4 to CSAH 5	\$ 700,000	\$ -	\$ 700,000		
CR 53 Paving	2.3	1 mile north of CSAH 4 to CSAH 5	\$ 600,000	\$ -	\$ 600,000		
CR 60 Paving	5.08	Kanabec County Line to TH 18	\$ 1,000,000	\$ -	\$ 1,000,000		
CR 77 Paving	0.54	US Hwy 169 to US Hwy 169	\$ 75,000	\$ -	\$ 75,000		

### 2. Bridges that need to be added to Program:

Project	Length	Location	Cost Estimate
<b>County State-Aid Highway:</b>			
CSAH 4 Bridge	0.1	CSAH 4 over Rice River	\$ 700,000
CSAH 14 bridge	0.1	CSAH 14 over Savanna River	\$ 300,000
CSAH 15 Bridge	0.1	CSAH 15 over Cedar Brook	\$ 600,000
<b>County Road:</b>			
CR 54 bridge	0.1	CR 54 over Sissabagamah River	\$ 200,000

### 3. Existing Paved Roads that need to be added to Program:

Project	Length	Location	Current Cost Estimate	Grants Available	State-Aid Routes	County Road Routes	Notes
<b>County State-Aid Highway:</b>							
CSAH 1 Overlay	3.6	CSAH 22 to 3.6 miles north	\$ 700,000	\$ -	\$ 700,000		Anticipated \$350,000 state bond grant - bridge replacement
CSAH 2 Overlay	12.4	TH 47 to TH 65	\$ 1,800,000	\$ -	\$ 1,800,000		Anticipated \$150,000 state bond grant - bridge replacement
CSAH 6 Overlay	5.08	TH 65 to 5.08 mile east	\$ 1,000,000	\$ -	\$ 1,000,000		Anticipated \$300,000 state bond grant - bridge replacement
CSAH 12 Overlay	0.6	TH 210/US Hwy 169 to TH 47	\$ 250,000	\$ -	\$ 250,000		
CSAH 12 Overlay	9.6	TH 47 in Glen to Oriole Avenue	\$ 1,500,000	\$ -	\$ 1,500,000		
CSAH 13 Overlay	5.5	TH 65 to CSAH 16	\$ 900,000	\$ -	\$ 900,000		
CSAH 15 Overlay	5.2	Crow Wing Co. Line to 7th Ave NW	\$ 1,100,000	\$ -	\$ 1,100,000		
CSAH 16 Overlay	8.9	CSAH 16 to TH 210	\$ 1,300,000	\$ -	\$ 1,300,000		
CSAH 28 Overlay	8	US Hwy 169 to TH 210	\$ 1,800,000	\$ 840,000	\$ 960,000		\$840,000 federal grant
CSAH 41 Overlay	1.08	TH 210 to TH 210	\$ 200,000	\$ -	\$ 200,000		
<b>County Road:</b>							
CR 54/CR 83 Overlay	1.1	TH 210 to end of pavement	\$ 300,000	\$ -	\$ 300,000		
CR 66 Overlay	0.82	Water Street to US Hwy 169	\$ 75,000	\$ -	\$ 75,000		
CR 82 Overlay	1.04	US Hwy 169 to 1.04 mile east	\$ 100,000	\$ -	\$ 100,000		
CR 85 Overlay	1.15	US Hwy 169 to US Hwy 169	\$ 75,000	\$ -	\$ 75,000		
<b>Total:</b>			\$ 29,234,000	\$ 5,077,000	\$ 21,182,000	\$ 2,975,000	