

SCOTT COUNTY ENGINEER'S OFFICE

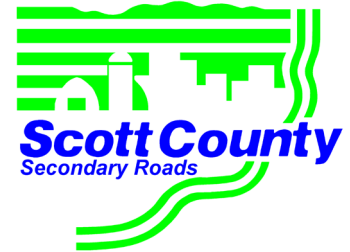
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MEMO

TO: Mahesh Sharma
County Administrator

FROM: Angie Kersten, P.E.
County Engineer

SUBJ: Hot Mix Asphalt (HMA) Pavement – Crack Sealing and Crack Filling

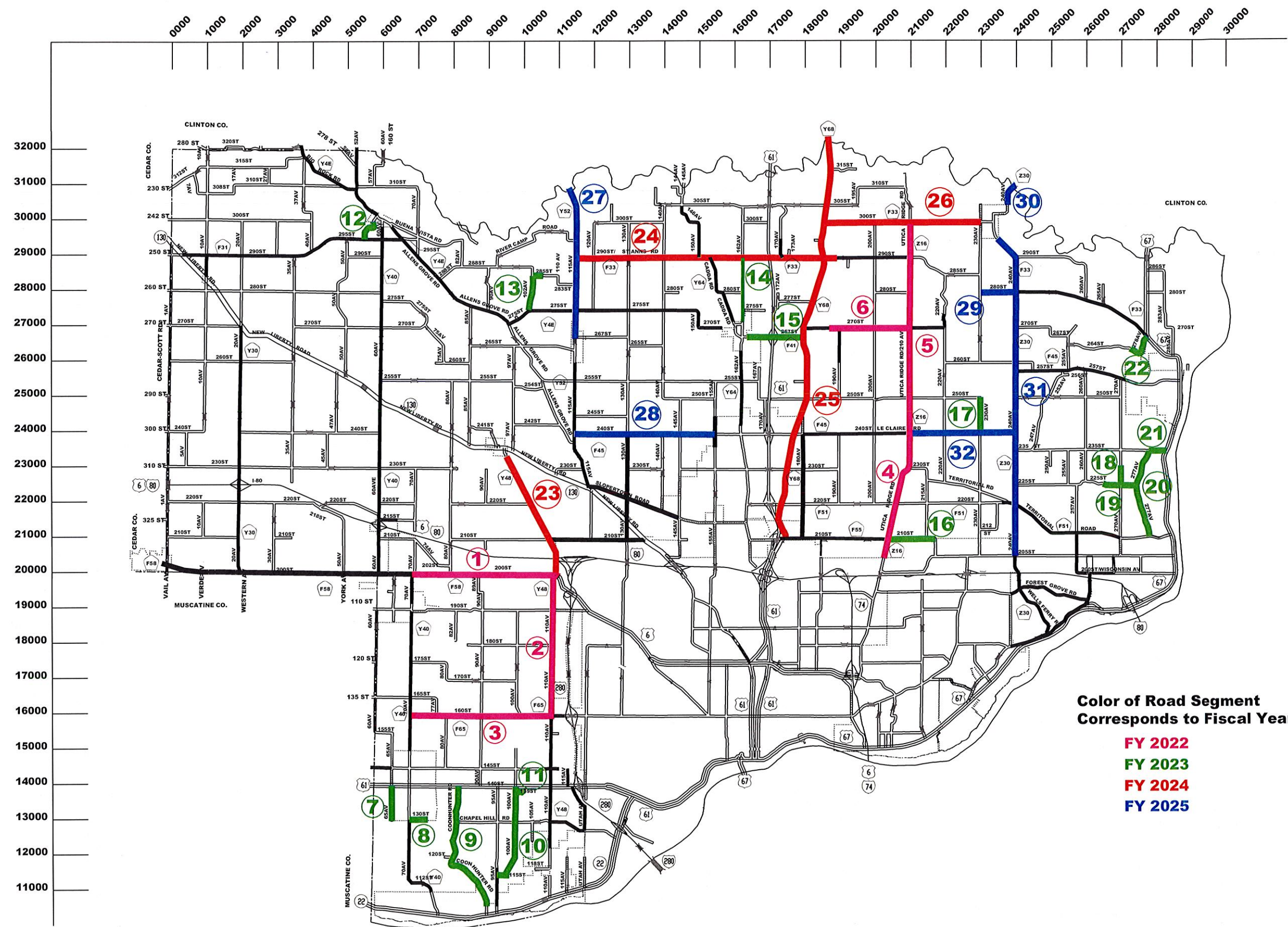
DATE: April 5, 2022

The Scott County Secondary Roads Department requested quotes for sealing and/or filling faulted HMA pavement joints and cracks on several sections of secondary roads. Wide pavement joints and cracks allow water and salt to easily infiltrate into the road base causing further deterioration and can severely affect the quality of ride. We evaluated our road system and determined that a majority of our asphalt surfaced roads have a need of crack sealing or filling. We determined that we could not afford to perform all of this type of preventative maintenance work within one budget cycle. Therefore, we asked the contractors to quote the work over four fiscal years. If all of the work cannot be completed by the end of FY 2025, we will negotiate a price with the same contractor for the remaining work and any additional work to be completed in FY 2026. If there are substantial increases in fuel costs, a fuel surcharge may be added in the future years.

We received quotes from Bargaen Inc. and Manatt's Inc. I recommend entering into a contract with Manatt's Inc. to perform the work. The unit price per mile is based on an estimated linear feet of cracks and is subject to change during completion of the work. The final cost will be based on actual quantities placed. We have approximately \$330,000 remaining in our FY 2022 budget for HMA pavement maintenance. However, the contractor may not be able to complete the FY 2022 work by the end of the fiscal year. Unexpended dollars will be carried over into FY 2023 and accounted for in a future budget amendment.

In FY 2023 we have budgeted a total of \$800,000 for HMA pavement maintenance which includes crack sealing, crack filling, pavement sealing, and patching. I anticipate spending around \$200,000 on HMA crack sealing and filling each year. Included with this memo is the quote tab and a project location map. However, the locations are subject to change based on available funding.

Crack Sealing FY2022 - FY2025



Color of Road Segment
Corresponds to Fiscal Year:

- FY 2022
- FY 2023
- FY 2024
- FY 2025

RECORD OF CONSTRUCTION AND MATERIAL QUOTES SECONDARY ROAD DEPARTMENT											
Crack Sealing				QUOTE DUE DATE		April 01, 2022		COUNTY		Scott	
NAME OF CONTRACTOR				Bargen Inc. 606 County Road 1 North Mountain Lake, MN 56159				Manatt's Inc Eastern Iowa Asphalt Division Camanche, IA 52730			
NO.	FY 2022 Crack Seal and Crack Fill Location	QTY	UNIT	Est LF CS	Est Gal CF	UNIT PRICE (\$/Mile)	AMOUNT	Est LF CS	Est Gal CF	UNIT PRICE (\$/Mile)	AMOUNT
1	F58 / 200th Street: from Walcott east corporate limit (70th Ave) to Y48	4.09	Miles		no bid				2,863	11,608.00	47,476.72
2	Y48 / 110th Avenue: from F58 to F65	4.02	Miles	14,640		2.17	31,768.80	4,708		2,500.00	10,050.00
3	F65 / 160th Street: from Y40 to Y48	4.01	Miles		no bid				2,005	10,887.00	43,656.87
4	Z16 / Utica Ridge Road: from north Corporate Limit of Davenport to F45	3.71	Miles	126,348		2.00	252,696.00	45,197		12,207.00	45,287.97
5	Z16 / Utica Ridge Road: from F45 to F33	6.01	Miles	147,558		2.00	295,116.00	70,236		11,000.00	66,110.00
6	270th Street: from Scott County Park Entrance (west of 190th Avenue) to Z16	2.08	Miles	39,336		2.00	78,672.00	24,500		12,019.00	24,999.52
	FY 2022 TOTAL	23.92	Miles	327,882			\$658,252.80	144,641			\$237,581.08
NO.	FY 2023 Crack Seal and Crack Fill Location	QTY	UNIT	Est LF CS	Est Gal CF	UNIT PRICE (\$/Mile)	AMOUNT	Est LF CS	Est Gal CF	UNIT PRICE (\$/Mile)	AMOUNT
7	South Oak Lane (65th Ave): from W Mayne St (Blue Grass) south to end of pavement	1.00	Miles	31,680		2.10	66,528.00	25,000		18,235.00	18,235.00
8	130th St (Timber Valley): from Y40 (70th Ave) to E. 130th St	0.50	Miles	15,200		2.13	32,376.00	6,000		11,550.00	5,775.00
9	Coonhunters Road: from State Hwy 61 to north Corporate Limit of Buffalo	3.90	Miles	112,226		1.77	198,640.02	85,000		19,533.00	76,178.70
10	100th Ave (Jamestown): from State Hwy 61 to 95th Ave	2.80	Miles	76,138		1.89	143,900.82	24,850		6,670.15	18,676.42
11	Eagle Ridge Subdivision: Off of 100th Ave, south of State Hwy 61	0.45	Miles	11,662		2.17	25,306.54	3,000		6,817.24	3,067.76
12	55th Ave / Dixon Ball Park: from F31 (295th St) to south Corporate Limit of Dixon	0.67	Miles	1,100		3.02	3,322.00	1,750		4,015.46	2,690.36
13	102nd Ave and 285th St: from Y4E (275th St) to end of pavement	1.30	Miles	3,960		3.00	11,880.00	4,200		4,024.73	5,232.15
14	162nd Ave: from north Corporate Limit of Long Grove to F33 (290th St)	1.70	Miles		no bid				1,190	10,887.00	18,507.90
15	F41 (267th St): from the east Corporate Limit of Long Grove to Y68 (Scott Park Road)	1.60	Miles	18,723		2.10	39,318.30	26,233		18,690.45	29,904.72
16	F55 / 210th St: from Z16 (Utica Ridge Road) to north Corporate Limit of Davenport	0.45	Miles	11,286		2.17	24,490.62	3,574		11,206.48	5,042.92
17	230th Ave: from F45 (240th St) to 250th St	1.00	Miles	39,072		2.10	82,051.20	35,000		32,552.86	32,552.86
18	270th Ave: from 225th St north to end of pavement	0.50	Miles	13,992		2.17	30,362.64	11,638		22,164.29	11,082.15
19	225th St: from 277th Ave west to end of pavement	0.96	Miles		no bid				432	10,887.00	10,451.52
20	277th Ave: from F51 (Territorial Road) to 235th St	2.56	Miles		no bid				1,152	8,719.31	22,321.43
21	235th St: from 277th Ave to State Hwy 67	0.52	Miles		no bid				182	12,395.60	6,445.71
22	278th Ave (Pineo Grove): from State Hwy 67 west to the end of pavement	0.90	Miles		no bid				315	12,112.60	10,901.34
	FY 2023 TOTAL	20.81	Miles	335,039			\$ 658,176.14	226,245			\$ 277,065.94
NO.	FY 2024 Crack Seal and Crack Fill Location	QTY	UNIT	Est LF CS	Est Gal CF	UNIT PRICE (\$/Mile)	AMOUNT	Est LF CS	Est Gal CF	UNIT PRICE (\$/Mile)	AMOUNT
23	Y48 / Maysville Road: from north Corporate Limit of Davenport to South Corporate Limit of Maysville	3.10	Miles		no bid				2,015	11,190.25	34,689.78
24	F33 / 290th Street: from Y52 (115th Ave) to Pioneer Village	7.50	Miles	132,660		1.92	254,707.20	48,300		6,992.38	52,442.85
25	Y68 / Scott Park Road: from Clinton County Line to F55 (210th St)	11.70	Miles		no bid				8,775	11,680.37	136,660.33
26	F33 / 300th Street: from Y68 to McCausland west corporate limit (230th Ave)	4.50	Miles	23,180		2.21	51,227.80	45,808		11,476.53	51,644.39
	FY 2024 TOTAL	26.80	Miles	155,840			\$ 305,935.00	94,108			\$ 275,437.35
NO.	FY 2025 Crack Seal and Crack Fill Location	QTY	UNIT	Est LF CS	Est Gal CF	UNIT PRICE (\$/Mile)	AMOUNT	Est LF CS	Est Gal CF	UNIT PRICE (\$/Mile)	AMOUNT
27	Y52 / 115th Ave: from AG 32C Bridge in Donahue to Clinton County Line	4.25	Miles		no bid				3,187	13,569.07	57,668.55
28	F45 / 240th St: from Y52 (115th Ave) to the west Corporate Limit of Eldridge	4.00	Miles		no bid				2,200	11,210.71	44,842.84
29	280th Street: from 230th Ave to Z30 (240th Ave)	1.00	Miles	24,288		2.24	54,405.12	14,000		12,167.14	12,167.14
30	Z30 / 240th Ave: from the north Corporate Limit of McCausland to the Clinton County Line	0.83	Miles	15,312		2.21	33,839.52	4,200		10,876.08	9,027.15
31	Z30 / 240th Ave: from 205th St to the south Corporate Limit of McCausland	9.22	Miles		no bid				5,993	11,210.71	103,362.75
32	F45 / 240th St: from Z16 (Utica Ridge Road) to Z30 (240th Ave)	3.00	Miles	38,016		2.26	85,916.16	36,000		18,607.49	55,822.47
	FY 2025 TOTAL	22.30	Miles	77,616			\$ 174,160.80	54,200			282,890.90
TOTAL BID FY2022-2025							\$ 1,796,524.74	\$ 1,072,975.27			

THE COUNTY AUDITOR'S SIGNATURE CERTIFIES THAT
THIS RESOLUTION HAS BEEN FORMALLY APPROVED BY
THE BOARD OF SUPERVISORS ON _____.

DATE

SCOTT COUNTY AUDITOR

R E S O L U T I O N

SCOTT COUNTY BOARD OF SUPERVISORS

April 14, 2022

AWARD OF CONTRACT FOR HMA CRACK SEALING AND FILLING ON
SCOTT COUNTY SECONDARY ROADS

BE IT RESOLVED by the Scott County Board of Supervisors as
follows:

Section 1. That the contract for crack sealing and filling
on Scott County Secondary Roads in Fiscal Years 2022
through 2026 be awarded to Manatt's Inc. contingent
on the unit prices listed in the contract.

Section 2. That the County Engineer be authorized to sign
the contract documents on behalf of the Board.

Section 3. That this resolution shall take effect
immediately.