

2001 Thin Overlays
Ramsey County Public Works

Specifications, Special Provisions, and General Conditions for the overlay of:

Bald Eagle Avenue	Stillwater Street to Bald Eagle Boulevard West
County Road E	West County Line to Silver Lake Road
County Road H	Silver Lake Road to Long Lake Road
County Road H	Edgewood Street to Old Highway 8
County Road J	Centerville Road to Otter Lake Road
Division Street	Bald Eagle Avenue to Park Street
Fairview Avenue	600 ft North of County Road C to County Road D
Hamline Avenue	County Road F to Highway 96
Hoffman Road	Highway 61 to County Road E
Larpenteur Avenue	Rice Street to Jackson Street
Minnehaha Avenue	McKnight Road to Century Avenue
New Brighton Road	County Road D to County Road E2
North Saint Paul Road	Holloway Street to Skillman Street
Old Snelling Avenue	County Road E to County Road F
Otter Lake Road	250 ft North of Highway 96 to Fourth Street

Ramsey County Public Works
50 West Kellogg Boulevard, Suite 910
Saint Paul, Minnesota 55102

County Project Number CON P3074

APPROXIMATE STATEMENT OF MAJOR ITEMS OF WORK

2350.601 Type MV 4 Wearing Course Mixture B	10107	Ton
2232.501 Wedge Mill Bituminous Surface	8842	SY
2357.502 Bituminous Material for Tack Coat	9198	Gallon
2504.522 Adjust Frame and Ring Casting	96	Each
2504.602 Adjust Gate	40	Each
2564.602 Pavement Message (Left Arrow) Epoxy	57	Each
2564.602 Pavement Message (Only) Epoxy	10	Each
2564.602 Pavement Message (Railroad Crossing) Epoxy	6	Each
2564.602 Pavement Message (Right Arrow) Epoxy	10	Each
2564.602 Pavement Message (Thru Arrow) Epoxy	2	Each
2550.541 6' X6' Loop Detector, Design NMC	4	Each
2564.603 4 Inch Solid Line White - Epoxy	38560	LF
2564.603 4 Inch Broken Line White - Epoxy	4088	LF
2564.603 4 Inch Solid Line Yellow - Epoxy	12334	LF
2564.603 4 Inch Broken Line Yellow - Epoxy	4661	LF
2564.603 4 Inch Double Solid Line Yellow - Epoxy	13473	LF
2564.603 12 Inch Solid Line Yellow - Epoxy	93	LF
2564.603 24 Inch Solid Line Yellow - Epoxy	461	LF
2564.603 24 Inch Stop Bar White - Epoxy	73	LF
2564.604 Zebra Crosswalk White - Epoxy	1355	SF

CERTIFICATION

I hereby certify that these Special Provisions were prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the Laws of the State of Minnesota.

Katherine Jaschke 6/20/01
Katherine Jaschke Date
License Number 21864
Ramsey County Public Works
3377 North Rice Street, Shoreview, Minnesota 55126

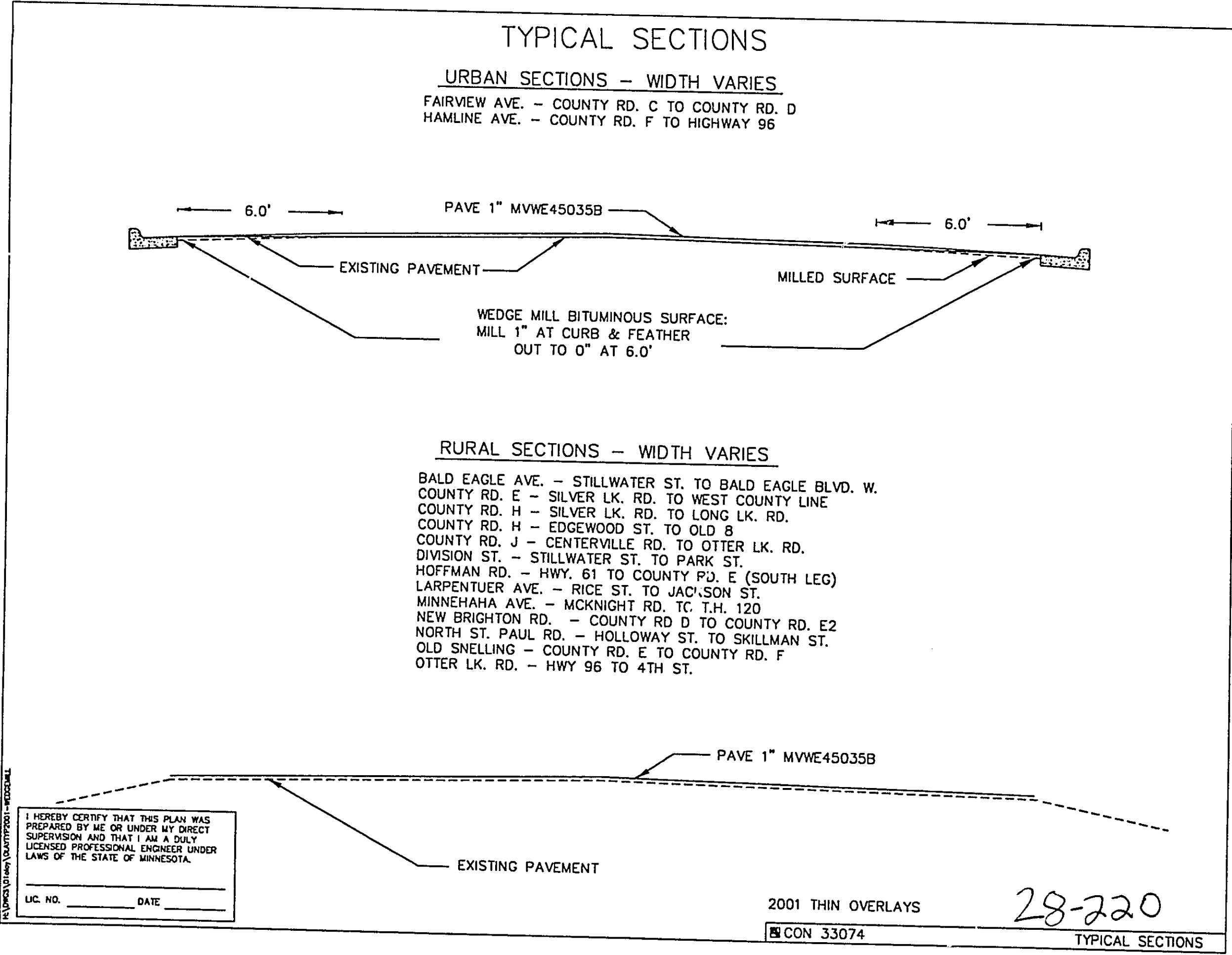
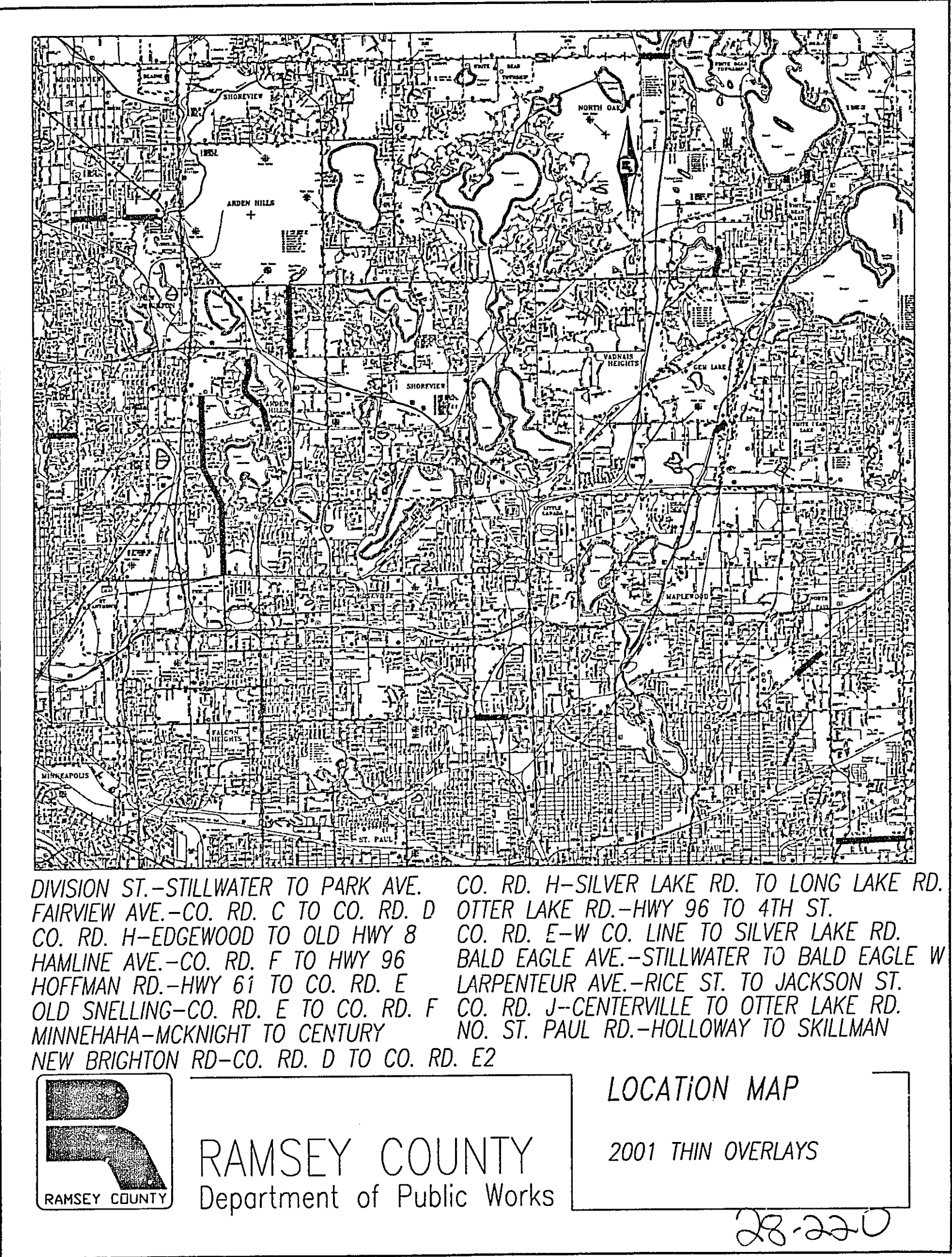
GOVERNING SPECIFICATIONS
The State of Minnesota Department of Transportation "Stand Specifications for Construction", 2000 Edition on file in the office of the Commissioner of Transportation and in the office of the Ramsey County Engineer shall apply on this contract except as modified or altered by the following Special Provisions.

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- Location Map
Typical Section
Sample Bid Proposal Form
Division S (Special Provisions) S-1 to S-8
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2. Specifications for Epoxy Resin Pavement Markings
3. NMC Loop Detector Detail

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* Sample Bid Proposal Form *

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Ramsey County Public Works

Projects may be deleted. No compensation will be made for increased or decreased quantities.
See Special Provisions

Item Number	Item	Estimated Quantity	Unit	Unit Price	Amount
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Bald Eagle Avenue from Stillwater Street to Bald Eagle Boulevard West

2021.501 Mobilization	1	LS			
2350.601 Type MV 4 Wearing Course Mixture B	77	TON			
2357.502 Bituminous Material for Tack Coat	70	GAL			
2504.522 Adjust Frame and Ring Casting	3	EACH			
2563.601 Traffic Control	1	LS			
Subtotal for Bald Eagle Avenue					

County Road E from West County Line to Silver Lake Road

2021.501 Mobilization	1	LS			
2350.601 Type MV 4 Wearing Course Mixture B	464	TON			
2357.502 Bituminous Material for Tack Coat	423	GAL			
2504.602 Adjust Gate	1	EACH			
2504.522 Adjust Frame and Ring Casting	11	EACH			
2563.601 Traffic Control	1	LS			
Subtotal for County Road E					

County Road H from Silver Lake Road to Long Lake Road

2021.501 Mobilization	1	LS			
2350.601 Type MV 4 Wearing Course Mixture B	565	TON			
2357.502 Bituminous Material for Tack Coat	514	GAL			
2504.602 Adjust Gate	1	EACH			
2504.522 Adjust Frame and Ring Casting	2	EACH			
2563.601 Traffic Control	1	LS			
Subtotal for County Road H					

County Road H from Edgewood Street to Old Highway 8

2021.501 Mobilization	1	LS			
2350.601 Type MV 4 Wearing Course Mixture B	431	TON			
2357.502 Bituminous Material for Tack Coat	392	GAL			
2504.522 Adjust Frame and Ring Casting	7	EACH			
2563.601 Traffic Control	1	LS			
Subtotal for County Road H					

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* Sample Bid Proposal Form *					
Item Number	Item	Estimated Quantity	Unit	Unit Price	Amount

County Road J from Centerville Road to Otter Lake Road					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	453	TON		
2357.502	Bituminous Material for Tack Coat	412	GAL		
2504.522	Adjust Frame and Ring Casting	1	EACH		
2564.603	4 Inch Solid Line White - Epoxy	4249	FT		
2564.603	4 Inch Broken Line White - Epoxy	60	FT		
2564.603	4 Inch Solid Line Yellow - Epoxy	1004	FT		
2564.603	4 Inch Broken Line Yellow - Epoxy	371	FT		
2564.603	4 Inch Double Solid Line Yellow - Epoxy	601	FT		
2564.602	Pavement Message (Left Arrow) Epoxy	3	EACH		
2564.602	Pavement Message (Right Arrow) Epoxy	3	EACH		
2564.602	Pavement Message (Only) Epoxy	4	EACH		
2563.601	Traffic Control	1	LS		
	Subtotal for County Road J				

Division Street from Stillwater Street to Park Avenue					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	148	TON		
2357.502	Bituminous Material for Tack Coat	135	GAL		
2563.601	Traffic Control	1	LS		
	Subtotal for Division Street				

Fairview Avenue from 600 ft North of County Road C to County Road D					
2021.501	Mobilization	1	LS		
2232.501	Wedge Mill Bituminous Surface	2690	SY		
2350.601	Type MV 4 Wearing Course Mixture B	1373	TON		
2357.502	Bituminous Material for Tack Coat	1249	GAL		
2504.602	Adjust Gate	5	EACH		
2504.522	Adjust Frame and Ring Casting	5	EACH		
2564.602	Pavement Message (Railroad Crossing) Epoxy	2	EACH		
2564.603	4 Inch Solid Line White - Epoxy	5200	FT		
2564.603	4 Inch Broken Line White - Epoxy	1420	FT		
2564.603	4 Inch Solid Line Yellow - Epoxy	2572	FT		
2564.603	4 Inch Broken Line Yellow - Epoxy	780	FT		
2564.603	4 Inch Double Solid Line Yellow - Epoxy	2169	FT		
2564.603	12 Inch Solid Line Yellow - Epoxy	93	FT		
2565.604	Zebra Crosswalk White - Epoxy	180	SF		
2563.601	Traffic Control	1	LS		
	Subtotal for Fairview Avenue				

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* Sample Bid Proposal Form *					
Item Number	Item	Estimated Quantity	Unit	Unit Price	Amount

Hamline Avenue from County Road F to Highway 96					
2021.501	Mobilization	1	LS		
2232.501	Wedge Mill Bituminous Surface	6152	SY		
2350.601	Type MV 4 Wearing Course Mixture B	1598	TON		
2357.502	Bituminous Material for Tack Coat	1454	GAL		
2504.602	Adjust Gate	6	EACH		
2504.522	Adjust Frame and Ring Casting	16	EACH		
2550.541	6' X 6' Loop Detector, Design NMC	4	EACH		
2564.602	Pavement Message (Left Arrow) Epoxy	47	EACH		
2564.602	Pavement Message (Right Arrow) Epoxy	4	EACH		
2564.602	Pavement Message (Only) Epoxy	1	EACH		
2564.603	4 Inch Solid Line White - Epoxy	10463	FT		
2564.603	4 Inch Solid Line Yellow - Epoxy	7858	FT		
2564.603	4 Inch Broken Line Yellow - Epoxy	2510	FT		
2564.603	4 Inch Double Solid Line Yellow - Epoxy	739	FT		
2565.604	Zebra Crosswalk White - Epoxy	485	SF		
2563.601	Traffic Control	1	LS		
	Subtotal for Hamline Avenue				

Hoffman Road from Highway 61 to County Road E					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	219	TON		
2357.502	Bituminous Material for Tack Coat	199	GAL		
2504.522	Adjust Frame and Ring Casting	1	EACH		
2563.601	Traffic Control	1	LS		
	Subtotal for Hoffman Road				

Larpentuer Avenue from Rice Street to Jackson Street					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	653	TON		
2357.502	Bituminous Material for Tack Coat	594	GAL		
2504.602	Adjust Gate	18	EACH		
2504.522	Adjust Frame and Ring Casting	19	EACH		
2564.602	Pavement Message (Left Arrow) Epoxy	1	EACH		
2564.602	Pavement Message (Railroad Crossing) Epoxy	4	EACH		
2564.603	4 Inch Solid Line White - Epoxy	157	FT		
2564.603	4 Inch Broken Line White - Epoxy	1008	FT		
2564.603	4 Inch Double Solid Line Yellow - Epoxy	2372	FT		
2564.603	24 Inch Solid Line Yellow - Epoxy	100	FT		
2564.603	24 Inch Stop Bar White - Epoxy	73	LF		
2565.604	Zebra Crosswalk White - Epoxy	390	SF		
2563.601	Traffic Control	1	LS		
	Subtotal for Larpenteur Avenue				

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* Sample Bid Proposal Form *					
Item Number	Item	Estimated Quantity	Unit	Unit Price	Amount

Minnehaha Avenue from McKnight Road to TH 120					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	894	TON		
2357.502	Bituminous Material for Tack Coat	814	GAL		
2504.602	Adjust Gate	7	EACH		
2504.522	Adjust Frame and Ring Casting	17	EACH		
2564.602	Pavement Message (Left Arrow) Epoxy	4	EACH		
2564.602	Pavement Message (Right Arrow) Epoxy	2	EACH		
2564.602	Pavement Message (Thru Arrow) Epoxy	2	EACH		
2564.602	Pavement Message (Only) Epoxy	3	EACH		
2564.603	4 Inch Solid Line White - Epoxy	9104	FT		
2564.603	4 Inch Solid Line Yellow - Epoxy	900	FT		
2564.603	4 Inch Broken Line Yellow - Epoxy	1000	FT		
2564.603	4 Inch Double Solid Line Yellow - Epoxy	2227	FT		
2564.603	24 Inch Solid Line Yellow - Epoxy	166	FT		
2565.604	Zebra Crosswalk White - Epoxy	300	SF		
2563.601	Traffic Control	1	LS		
	Subtotal for Minnehaha Avenue				

New Brighton Road from County Road D to County Road E2					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	981	TON		
2357.502	Bituminous Material for Tack Coat	893	GAL		
2504.602	Adjust Gate	2	EACH		
2504.522	Adjust Frame and Ring Casting	3	EACH		
2563.601	Traffic Control	1	LS		
	Subtotal for New Brighton Road				

North Saint Paul Road from Holloway Street to Skillman Street					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	546	TON		
2357.502	Bituminous Material for Tack Coat	497	GAL		
2504.522	Adjust Frame and Ring Casting	6	EACH		
2563.601	Traffic Control	1	LS		
	Subtotal for North Saint Paul Road				

Otter Lake Road from Highway 96 to Fourth Street					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	423	TON		
2357.502	Bituminous Material for Tack Coat	385	GAL		
2504.522	Adjust Frame and Ring Casting	2	EACH		
2563.601	Traffic Control	1	LS		
	Subtotal for Otter Lake Road				

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* Sample Bid Proposal Form *					
Item Number	Item	Estimated Quantity	Unit	Unit Price	Amount

Old Snelling Avenue from County Road E to County Road F					
2021.501	Mobilization	1	LS		
2350.601	Type MV 4 Wearing Course Mixture B	1282	TON		
2357.502	Bituminous Material for Tack Coat	1167	GAL		
2504.522	Adjust Frame and Ring Casting	3	EACH		
2564.602	Pavement Message (Left Arrow) Epoxy	2	EACH		
2564.602	Pavement Message (Right Arrow) Epoxy	1	EACH		
2564.602	Pavement Message (Only) Epoxy	2	EACH		
2564.603	4 Inch Solid Line White - Epoxy	9387	FT		
2564.603	4 Inch Broken Line White - Epoxy	1600	FT		
2564.603	4 Inch Double Solid Line Yellow - Epoxy	5365	FT		
2564.603	24 Inch Solid Line Yellow - Epoxy	195	FT		
2563.601	Traffic Control	1	LS		
	Subtotal for Old Snelling Avenue				

Total for all projects

Firm

Address

City, State, Zip Code

Estimator (Print)

Estimator (Signature), Date

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