

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Street Patching	Maintenance	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Patch various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$10,000.00			
Justification		Project Length		Project History	
Larger patches can fix localized bad spots in streets and extend the life of the road before it needs a more costly fix.		Miles	0		
Site Requirements		Project Impact			
None		Local impacts only.			
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Street Striping	Maintenance	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Stripe various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$10,000.00			
Justification		Project Length		Project History	
Needed to maintain minimal centerline striping on collector roads.		Miles	0	Most roads that need to be striped were stiped between 3-5 years ago.	
Site Requirements		Project Impact			
None		Local impacts only.			

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Old Stonebridge Court Paving	Final Pavement Lift	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	The final lift of pavement will be completed on Old Stonebridge Court.	
Construction Fund	\$20,000.00	Original Construction	2020		
Special Assessment	\$10,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost		Project Length			
	\$20,000.00	Miles	0.04		
Justification					
The final pavement lift has not been completed to date.					
Site Requirements				Project Impact	
None.				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Crack Filling	Preventative Maintenance	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Crack seal various streets throughout the City.	
Construction Fund	\$25,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost		Miles	0	Since 2013 the City has been trying to keep up with crack filling by sealing cracks within five-ten years after the road has been paved.	
	\$25,000.00				
Justification					
Crack sealing is a cost effective way of preserving the life of the pavement. Crack sealing works best on roads that are newer where the cracking is not too severe.					
Site Requirements				Project Impact	
None				Local impacts only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	L St Resurfacing	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurfacing of L St between Mill Avenue and 8th Avenue NE would have the bituminous pavement section replaced. Some spot repair of curb is also expected.	
Construction Fund	\$31,000.00	Original Construction	2014		
Special Assessment	\$4,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1964 and last sealed in 1979. Street is 55 years old and has served its effective life expectancy.	
Total Project Cost	\$33,000.00	Project Length			
		Miles	0.05		
Justification					
The pavement rating is 1.20/4.0 and curb rating is 3.0/4.0.					
Site Requirements				Project Impact	
None				Local impacts to traffic only. No anticipated detours at this time.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	10th Ave NE Resurfacing	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurfacing 10th Ave from N St to O St. Bituminous pavement and aggregate base would be removed and replaced between the curb line. Some curb spot repair is expected.	
Construction Fund	\$44,000.00	Original Construction	2020		
Special Assessment	\$11,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$8,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1994 and last sealed in 2001. Street is 25 years old, but poor soils in the area cut life expectancy on streets in this area short.	
Total Project Cost	\$56,000.00	Project Length			
		Miles	0.07		
Justification					
Pavement rating is 2.50/4.0, and curb rating is 3.0/4.0. Street is showing severe signs of distress with large potholes forming and sections of pavement completely missing.					
Site Requirements				Project Impact	
None				Local impacts only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	NE 10th Avenue Resurfacing	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurfacing of NE 10th Avenue from P Street to Q Street.	
Construction Fund	\$44,000.00	Original Construction	2020		
Special Assessment	\$11,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$8,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$56,000.00	Miles	0		
Justification					
Major pavement distresses.					
Site Requirements				Project Impact	
None.				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Jackson Street Improvement Project	Total Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	The portion of Jackson Street from NW 4th Street to NW 3rd Street will be improved in conjunction with the NW 4th Street/CSAH 20 Improvement.	
Construction Fund	\$80,000.00	Original Construction	2020		
Special Assessment	\$40,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$80,000.00	Miles	0.07		
Justification					
In order to assist traffic flow with the changes being made to NW 4th Street, as well as promoting future development of the area, this portion of Jackson Street will be improved to City standards.					
Site Requirements				Project Impact	
None.				Local impacts only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	11th Avenue NE Resurfacing	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurfacing of 11th Avenue NE between H Street and J Street. Consists of removal and replacement of gravel and bituminous surfacing, spot repair of curb, driveway restoration, and all other incidental items for construction.	
Construction Fund	\$93,000.00	Original Construction	2016		
Special Assessment	\$24,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1962 and overlaid in 1988. The street was last sealed in 1993. Pavement is 67 years old and has served its effective life expectancy.	
Total Project Cost	\$97,000.00	Project Length			
		Miles	0.15		
Justification					
The pavement ratings are 2.83/4.0 from H St to I St and 3.08/4.0 from I St to J St. Curb ratings are 1.0/4.0 from H St to I St and 2.0/4.0 from I St to J St. The curb has many major deficiencies.					
Site Requirements			Project Impact		
None			Local impacts to traffic only. No expected detour at this time.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Old Stonebridge Trail Paving	Final Pavement Lift	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	The final lift of pavement will be completed on Old Stonebridge Trail.	
Construction Fund	\$140,000.00	Original Construction	2020		
Special Assessment	\$70,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$140,000.00	Project Length			
		Miles	0.27		
Justification					
The final pavement lift has not been completed to date.					
Site Requirements			Project Impact		
None.			Local impacts only.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	O Street Resurfacing	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurfacing of O Street from 9th Ave NE to 12th Ave NE. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$118,000.00	Original Construction	2020		
Special Assessment	\$15,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00				
Storm Water Utility	\$16,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$142,000.00	Miles	0.19	The street was constructed in 1994 and last sealed in 2001. Pavement has not served its entire effective life cycle, but poor soil in the area do not typically allow for full pavement life cycle.	
Justification					
Pavement ratings are 3.88/4.0 from 9th Ave to 10th Ave, 3.41/4.0 from 10th Ave to 12th Ave. Curb rating is 3.0/4.0. Multiple locations are showing signs of severe distress in the pavement.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	P Street Resurfacing	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurface P Street from Mill Ave to 10th Ave NE. Some spot curb repair expected. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$124,000.00	Original Construction	2020		
Special Assessment	\$16,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$142,000.00	Miles	0.2	The street was constructed in 1993 and last sealed in 2001. Pavement is 26 years old. Pavement has not served its entire effective life cycle, but poor soil in the area do not typically allow for full pavement life cycle.	
Justification					
Pavement rating is 1.88/4.0, and curb rating is 2.5/4.0. Pavement is showing signs of distresses. Major distress is alligator cracking.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Seal Coat	Preventative Maintenance	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Seal coat various streets in the City.	
Construction Fund	\$150,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$150,000.00	Project Length	Miles	0	
Justification					
Seal coating streets is a cost effective way of preserving the life of the bituminous road.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	NW 3rd Street Improvement Project	Total Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	The portion of NW 3rd Street from James Street to Jackson Street will be improved in conjunction with the NW 4th Street/CSAH 20 Improvement.	
Construction Fund	\$160,000.00	Original Construction	2020		
Special Assessment	\$80,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length	Miles	0.14	Project History
Total Project Cost	\$160,000.00				
Justification					
In order to assist traffic flow with the changes being made to NW 4th Street, as well as promoting future development of the area, this portion of NW 3rd Street will be improved to City standards.					
Site Requirements				Project Impact	
None.				Local impacts only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	J St Resurfacing	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurfacing of J Street from Mil Ave to 10th Ave and 11th Ave to 13th Ave. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$155,000.00	Original Construction	2016		
Special Assessment	\$20,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$14,000.00				
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The majority of J Street was constructed in 1974 and 1975 and seal coated in 1985. Street is 45 years old and has served its effective life cycle.	
Total Project Cost	\$181,000.00	Project Length			
		Miles	0.19		
Justification					
Pavement rating is 2.58/4.0, and curb rating is 2.5/4.0 from Mill Avenue to 10th Avenue NE. Pavement rating is 2.41/4.0 and curb rating is 2.5/4.0 from 11th Avenue NE to 13th Avenue NE.					
Site Requirements			Project Impact		
None			Local impacts only if work is completed before school begins.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	B Street, C Street, and D Street Reconstruction	Total Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Reconstruction of B Street, C Street, and D Street from 5th Avenue NE into the Mall property in NE Brainerd. Consists of total curb and surfacing replacement, driveway rehabilitation, restoration, and all other incidental items for construction.	
Construction Fund	\$175,000.00	Original Construction	2020		
Special Assessment	\$27,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$6,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History B Street was last surfaced in 1988 and sealed in 1998. C Street was last surfaced in 1988 and seal coated in 1998. D Street was last surfaced in 1988 and seal coated in 1998.	
Total Project Cost	\$183,000.00	Project Length			
		Miles	0.17		
Justification					
Pavement rating ranges from 1.86/4.0 to 2.57/4.0 and curb ratings range from 1.5/4.0 to 2.0/4.0.					
Site Requirements			Project Impact		
None			Major impacts to mall property. Phasing or detours must be considered as part of project, to be in conjunction with 5th Avenue NE reconstruction.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Sanitary Sewer Replacement Project	Utility	Engineering	Sanitary Sewer	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Sanitary sewer replacement project. Location to be determined.	
Construction Fund	\$0.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$338,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$338,000.00			
Justification		Project Length		Project History	
Sanitary sewer line determined to be aging and a frequent maintenance issue.		Miles	0		
Site Requirements		Project Impact			
None		Local impacts only.			
Project #	Project Name	Project Type	Department	Category	Improvement Year
	NW 4th Street Reconstruction	Total Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Joint reconstruction of NW 4th Street with Crow Wing County. Reconstruction would occur from Washington Street to just north of Jackson Street	
Construction Fund	\$414,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$414,000.00			
Justification		Project Length		Project History	
NW 4th Street is a notoriously dangerous route. This reconstruction would eliminate many safety concerns by adding a roundabout at Jackson Street and generally restricting certain dangerous movements my vehicles.		Miles	0.25		
Site Requirements		Project Impact			
None.		Difficulties getting people to areas on Riverside Drive, Beaver Dam Road, Ect. Coordination will be a high priority to ensure residents will have as limited impacts as possible.			

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	5th Ave NE Reconstruction	Total Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Reconstruction of 5th Avenue NE from Washington Street to D Street. Consists of full replacement of curb and gutter and surfacing, driveway and access replacement, restoration, and all other incidental items.	
Construction Fund	\$0.00	Original Construction	2016		
Special Assessment	\$46,000.00	Current Construction	2020		
Municipal State Aid	\$448,000.00				
Sanitary Sewer Fund	\$14,000.00				
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Washington Street to C Street was constructed in 1988 and last sealed in 1998. C Street to D Street was constructed in 1950, overlaid in 1988, and sealed in 1998. D Street to E Street was constructed in 1993.	
Total Project Cost	\$474,000.00	Project Length			
		Miles	0.29		
Justification					
Pavement ratings are 3.06/4.0 from Washington to C St, 2.78/4.0 from C St to D St, 3.75/4.0 from D St to E St. Curb ratings are 2.5/4.0 from Washington to D St, 3.0/4.0 from D St to E St.					
Site Requirements				Project Impact	
None				Detours during paving. Major access point to businesses.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
13-21	B Street Reconstruction	Total Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	A total reconstruct of B St NE from Gillis Avenue NE to 5th Ave NE. The curb and gutter, aggregate base and bituminous would be replaced.	
Construction Fund	\$0.00	Original Construction	2014		
Special Assessment	\$50,000.00	Current Construction	2020		
Municipal State Aid	\$479,000.00				
Sanitary Sewer Fund	\$12,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History The street from 1st ave NE to 3rd Ave NE was constructed in 1959. This portion of the street was last sealed in 1968. 3rd Ave NE to 4th Ave NE was constructed in 1971. 4th Ave NE to 5th Ave NE was constructed in 1988 and last sealed in 1998.	
Total Project Cost	\$495,000.00	Miles	0.31		
Justification					
Pavement ratings are 0.72/4.0 from 1st Ave-2nd Ave, 1.08/4.0 from 2nd Ave-3rd Ave, 3.03/4.0 from 3rd Ave-4th Ave, 3.61/4.0 from 4th Ave-5th Ave. Curb ratings are 2.5/4.0 from 1st Ave-3rd Ave, 3.0/4.0 from 3rd Ave-4th Ave, 1.5/4.0 from 4th Ave-5th Ave.					
Site Requirements				Project Impact	
None				Local impacts only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Cuyuna Trail Extension, 13th/Washington-5th Ave/Washi	Trail/Sidewalk	Engineering	Trail	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Construct a 10' bituminous trail along TH 210 from 5th Avenue NE to N 8th Street. Construct a 10' bituminous trail along Norwood Street from S 8th Street to the Buffalo Hills Trail. This project will be utilizing appropriated MnDNR funds.	
Construction Fund	\$0.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$1,100,000.00			Project History The City has extended the Cuyuna Trail in three past projects beginning in 2000.	
Total Project Cost	\$1,100,000.00	Project Length			
		Miles	0		
Justification					
To complete the Cuyuna Trail within the City Limits of Brainerd, ultimately connecting the Paul Bunyan Trail in Baxter/Brainerd to Crosby and cities east of Brainerd.					
Site Requirements				Project Impact	
Unknown at this time.				Unkown at this time.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	2021 Street Patching	Maintenance	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Patch various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$10,000.00			
Justification		Project Length		Project History	
Larger patches can fix localized bad spots in streets and extend the life of the road before it needs a more costly fix.		Miles	0		
Site Requirements		Project Impact			
None		Local impacts only.			
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2021 Street Striping	Maintenance	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Stripe various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$10,000.00			
Justification		Project Length		Project History	
Needed to maintain minimal centerline striping on collector roads.		Miles	0	Most roads that need to be striped were stiped between 3-5 years ago.	
Site Requirements		Project Impact			
None		Local impacts only.			

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	2021 Crack Filling	Preventative Maintenance	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Crack seal various streets throughout the City.	
Construction Fund	\$25,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Since 2013 the City has been trying to keep up with crack filling by sealing cracks within five-ten years after the road has been paved.	
Total Project Cost	\$25,000.00	Project Length			
		Miles	0		
Justification					
Crack sealing is a cost effective way of preserving the life of the pavement. Crack sealing works best on roads that are newer where the cracking is not too severe.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Quince Street Resurfacing	Pavement Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing of Quince Street from 15th Street SE to 16th Street SE. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$44,000.00	Original Construction	2021		
Special Assessment	\$11,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Quince Street was last surfaced in 1971 and seal coated in 1986. Pavement is 48 years old and has served its effective life expectancy.	
Total Project Cost	\$44,000.00	Project Length			
		Miles	0.07		
Justification					
Pavement score in 2018 is 2.54/4.0. Curb rating in 2018 is 2.5/3.0. Pavement is showing signs of failure through block cracking, potholing, alligator cracking, etc.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Wright Street Realignment	Total Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Realign the intersection of Wright Street and CSAH 45 (S 13th Street)	
Construction Fund	\$0.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2021		
Municipal State Aid	\$50,000.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$50,000.00	Project Length			
		Miles	0		
Justification					
The intersections do not line up.					
Site Requirements				Project Impact	
Some additional right of way is required on the south west corner of the intersection.				Local construction impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Rosewood Street Reconstruction	Total Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Reconstruction of Rosewood Street from the Spur Line Trail to 11th Street SE. Consists of full replacement of curb and gutter, surfacing, driveways, and restoration.	
Construction Fund	\$62,000.00	Original Construction	2021		
Special Assessment	\$10,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$64,000.00	Project Length			
		Miles	0.06	Rosewood Street was last surfaced in 1975 and seal coated in 1986. Pavement is 44 years old and has served its effective life expectancy.	
Justification					
Pavement score in 2018 is 1.82/4.0. Curb rating in 2018 is 2.0/4.0. Pavement is showing signs of distress and failure through cracking and localized potholing. Curb is not B-style curb and is heaving and broken in multiple locations.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Oakridge Road Resurfacing	Pavement Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing of Oakridge Road from Beech Street to 28th Street SE. Consists of removal and replacement of gravel and bituminous surfacing. Oakridge Road does not have curb and gutter.	
Construction Fund	\$81,000.00	Original Construction	2021		
Special Assessment	\$10,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Oakridge Road was last surfaced in 1975. The street pavement is 45 years old and has served its effective life expectancy.	
Total Project Cost	\$81,000.00	Project Length			
		Miles	0.13		
Justification					
Pavement score in 2018 is 1.75/4.0. Surface is showing signs of distress through alligator cracking and localized potholing.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	16th Street SE Resurfacing	Pavement Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing of 16th Street SE between Oak Street and Quince Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$87,000.00	Original Construction	2021		
Special Assessment	\$11,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History 16th Street SE was last surfaced in 1971 and seal coated in 1986. Pavement is 48 years old and has served its effective life expectancy.	
Total Project Cost	\$97,000.00	Project Length			
		Miles	0.14		
Justification					
Pavement scores in 2015 are 1.07/4.0. Curb ratings in 2018 are 3.0/4.0. Pavement is showing severe signs of distress and aging through cracking, potholing, etc.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Walnut Street Resurfacing	Pavement Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing of Walnut Street from Oak Street to Breilly Court. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$106,000.00	Original Construction	2021		
Special Assessment	\$27,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$118,000.00	Miles	0.17	Walnut Street from Oak Street to Pine Street was last surfaced in 1984 and seal coated in 1987. Walnut Street from Pine Street to Breilly Court was last surfaced in 1990 and seal coated in 1998. Pavement range from 35 to 29 years old.	
Justification					
Pavement score in 2018 ranges from 1.83/4.0 to 2.26/4.0. Curb ratings in 2018 are 3.0/4.0. Pavement is showing signs of distress and failure through cracking and localized potholing.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	St. Louis Avenue Resurfacing	Pavement Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing of St. Louis Avenue from 11th Street SE to the dead end. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$118,000.00	Original Construction	2021		
Special Assessment	\$15,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$14,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$138,000.00	Miles	0.19	St. Louis Avenue from 11th Street SE to 13th Street SE was last surfaced in 1973 and seal coated in 1986. St. Louis Avenue from 13th Street SE to the dead end was last surfaced in 2001. Streets range in age from 18 years to 46 years.	
Justification					
Pavement scores in 2018 range from 2.32/4.0 and 2.57/4.0. Curb ratings in 2018 range from 2.50/4.0 to 3.50/4.0. Street pavement is seeing signs of distresses such as cracking, scaling, localized potholing, etc.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2021 Seal Coat	Preventative Maintenance	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Seal coat various streets in the City.	
Construction Fund	\$150,000.00	Original Construction	2021		
Special Assessment	\$0.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost		Project Length			
	\$150,000.00	Miles	0		
Justification					
Seal coating streets is a cost effective way of preserving the life of the bituminous road.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	15th Street SE Resurfacing	Pavement Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing of 15th Street SE between Oak Street and the dead end. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$155,000.00	Original Construction	2021		
Special Assessment	\$20,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$10,000.00				
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost		Miles	0.25	15th Street SE was last surfaced in 1973 and was seal coated in 1986. Pavement is 46 years old and has served its effective life expectancy.	
	\$177,000.00				
Justification					
Pavement scores in 2018 are 2.71/4.0. Curb ratings in 2018 are 3.0/4.0. Pavement is showing signs of failure through block cracking, alligator cracking, localized potholing, and other severe distresses.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Pine Street Resurfacing	Pavement Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing of Pine Street from Walnut Street to Beech Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$155,000.00	Original Construction	2021		
Special Assessment	\$40,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00				
Storm Water Utility	\$16,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$179,000.00	Project Length			
		Miles	0.25	Pine Street was last surfaced in 1983 and seal coated in 1996. Pavement is 33 years old, but poor soils in the area do not allow for full life expectancy of pavements throughout SE Brainerd.	
Justification					
Pavement score in 2018 is 2.13/4.0. Curb rating in 2018 is 3.5/4.0. Pavement is showing signs of distress through alligator cracking and localized potholing.					
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Chicago Avenue Resurfacing and Reconstruction	Total Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing of Chicago Avenue between 11th and 12th St SE and 13th St SE to dead end. Recon of Chicago Avenue between 12th and 13th St SE. Resurfacing consists of pavement replacement. Reconstruction consists of full replacement of curb and surfacing.	
Construction Fund	\$196,000.00	Original Construction	2021		
Special Assessment	\$30,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00				
Storm Water Utility	\$16,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$220,000.00	Project Length			
		Miles	0.19	Chicago 11th to 12th last surfaced in 1955. Chicago 12th to 13th last surfaced in 1973. Chicago 13th to end last surfaced in 2001. Chicago 11th to 12th seal coated in 1972. Chicago 12th to 13th sealed in 1986. Pavements range from 18 to 64 years old.	
Justification					
Pavement scores in 2018 range from 1.64/4.0 to 2.14/4.0. Curb ratings in 2018 range from 2.0/4.0 to 3.0/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Portland Avenue Resurfacing and Reconstruction	Total Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Resurfacing and reconstruction of Portland Avenue from the Spur Line Trail to the dead end. Resurfacing from 13th St SE to dead end and reconstruction from Spur Line Trail to 13th St SE.	
Construction Fund	\$206,000.00	Original Construction	2021		
Special Assessment	\$32,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$12,000.00				
Storm Water Utility	\$10,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Portland Avenue from the Spur Line Trail to 11th was last surfaced in 1997. From 11th to 13th was last surfaced in 1973 and seal coated in 1986. from 13th Street to the dead end was last surfaced in 2001. Pavements range from 46 to 18 years old.	
Total Project Cost	\$228,000.00	Project Length			
		Miles	0.2		
Justification					
Pavement scores in 2018 ranged from 1.87/4.0 to 2.17/4.0. Curb ratings in 2018 ranged from 2.5/4.0 to 3.0/4.0. Pavement is showing severe distresses, heaving, potholing, and cracking.					
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Madison Street Reconstruction	Total Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Reconstruction of Madison Street from 10th Street SE to 13th Street SE.	
Construction Fund	\$330,000.00	Original Construction	2021		
Special Assessment	\$102,000.00	Current Construction	2021		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$10,000.00				
Storm Water Utility	\$18,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$358,000.00	Project Length			
		Miles	0.32		
Justification					
Portions of Madison Street have completed deteriorated and potholed out. Street is under major distress.					
Site Requirements			Project Impact		
None			Local impacts only		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	S 10th Street Reconstruction	Total Reconstruction	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Reconstruction of S 10th Street from Industrial Park Road to Wright Street.	
Construction Fund	\$0.00	Original Construction	2021		
Special Assessment	\$121,000.00	Current Construction	2021		
Municipal State Aid	\$366,000.00				
Sanitary Sewer Fund	\$16,000.00				
Storm Water Utility	\$30,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost		\$412,000.00	Project Length	Miles	0.38
Justification					
Portions of S 10th have deteriorated over time. There is frequent heavy truck traffic, as it is in the industrial park area of The City, and poor soil conditions have likely played a role in the surfacing issues.					
Site Requirements				Project Impact	
None.				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Wright Street Resurfacing	Pavement Resurfacing	Engineering	Street	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2020	Reclaim existing bituminous section and fill with 3.5" of bituminous. Some aggregate base work is expected between S 6th St to the Spur Line Trail in order to bring the section up to State Aid standards. Some spot curb repair is also expected.	
Construction Fund	\$0.00	Original Construction	2022		
Special Assessment	\$91,000.00	Current Construction	2021		
Municipal State Aid	\$548,000.00				
Sanitary Sewer Fund	\$30,000.00				
Storm Water Utility	\$52,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length	Miles	0.57	Project History
Total Project Cost		\$630,000.00	The street was constructed in 1973 from S 6th St to Spur Line Trail, and in 1981 from Spur Line Trail to 13th St SE. The entire segment was last overlaid in 1995.		
Justification					
Pavement ratings are 2.28/4.0 from S 6th St to Spur Line Trail, 3.05/4.0 from Spur Line trail to 13th St. Curb raring is 2.5/4.0 for the entire segment.					
Site Requirements				Project Impact	
None				Local construction impacts including access to businesses that front Wright Street.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
14-13	S 6th St Sidewalk Extension	Trail/Sidewalk	Engineering	Trail	2021
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Extend sidewalk on the east side of S 6th St from Industrial Park Road to Joseph Street.	
Construction Fund	\$0.00	Original Construction	2019		
Special Assessment	\$0.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$0.00	Miles	0	City awarded grant funding (80%Fed/20%Local) in 2014. The project is being planned with MnDot's reconstruction of S 6th St in 2017. Funds are dedicated for construction year 2017.	
Justification					
There is currently no safe pedestrian infrastructure to help facilitate pedestrian movements north and south along S 6th St which currently has an ADT (2011) of 12,800.					
Site Requirements			Project Impact		
Some temporary easements may be required for construction. All construction is in MnDot ROW so approval will be needed.			Some impacts for property owners along the route. Since the project will be done with the S 6th St Reconstruction, impacts will only be over one construction season.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2022 Street Patching	Maintenance	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Patch various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2022		
Special Assessment	\$0.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$10,000.00	Miles	0		
Justification					
Larger patches can fix localized bad spots in streets and extend the life of the road before it needs a more costly fix.					
Site Requirements			Project Impact		
None			Local impacts only.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2022 Street Striping	Maintenance	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Stripe various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2022		
Special Assessment	\$0.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$10,000.00	Project Length			
		Miles	0	Most roads that need to be striped were stiped between 3-5 years ago.	
Justification					
Needed to maintain minimal centerline striping on collector roads.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2022 Crack Filling	Preventative Maintenance	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Crack seal various streets throughout the City.	
Construction Fund	\$25,000.00	Original Construction	2022		
Special Assessment	\$0.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$25,000.00	Project Length			
		Miles	0	Since 2013 the City has been trying to keep up with crack filling by sealing cracks within five-ten years after the road has been paved.	
Justification					
Crack sealing is a cost effective way of preserving the life of the pavement. Crack sealing works best on roads that are newer where the cracking is not too severe.					
Site Requirements				Project Impact	
None				Local impacts only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2022 Seal Coat	Preventative Maintenance	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Seal coat various streets in the City.	
Construction Fund	\$150,000.00	Original Construction	2022		
Special Assessment	\$0.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost		Project Length			
	\$150,000.00	Miles	0		
Justification					
Seal coating streets is a cost effective way of preserving the life of the bituminous road.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
12-04	North 6th Street Reconstruction	Total Reconstruction	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Reconstruction of N 6th Street between Washington Street and Juniper Street. Total reconstruction including curb and gutter, grading and base, and bituminous pavement.	
Construction Fund	\$138,000.00	Original Construction	2013		
Special Assessment	\$21,000.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$50,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost		Miles	0.13	The street was constructed in 1910, overlaid in 1974, and last sealed in 1985. Street has served its effective life expectancy.	
	\$190,000.00				
Justification					
Pavement ratings are 1.78/4.0 from Washington St to Kingwood St and 1.63/4.0 from Kingwood St to Juniper St. Curb rating is 1.5/4.0 for the entire segment.					
Site Requirements				Project Impact	
None				Local traffic impacts only. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	N 7th Street Reconstruction	Total Reconstruction	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Reconstruction of N 7th Street between Kinwood Street and Holly Street. Total reconstruction including curb and gutter, grading and base, and bituminous pavement.	
Construction Fund	\$234,000.00	Original Construction	2015		
Special Assessment	\$35,000.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$25,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1910, overlaid in 1974, and last sealed in 1985. Concrete pavement is 109 years old and the overlay is over 46 years old.	
Total Project Cost	\$263,000.00	Project Length			
		Miles	0.22		
Justification					
Pavement rating is 2.92/4.0, and curb rating is 1.5/4.0. Street grades are flat leading to poor roadway drainage.					
Site Requirements				Project Impact	
None				Local impacts only. Coordinate with Juniper Street projects to make sure drainage can be addressed.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	North 3rd Street Reconstruction	Total Reconstruction	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Reconstruction of N 3rd Street from Washington Street to Holly Street. Total reconstruction including curb and gutter, grading and base, and bituminous pavement.	
Construction Fund	\$308,000.00	Original Construction	2014		
Special Assessment	\$46,000.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$25,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1918. Washington St to Kingwood St was overlaid in 1968. The remaining portion of the segment was overlaid in 1997. Old concrete pavement and bituminous overlay have all served their effective life expectancy.	
Total Project Cost	\$337,000.00	Project Length			
		Miles	0.29		
Justification					
Pavement rating is 2.60/4.0, and curb rating is 2.0/4.0. Both for the entire segment.					
Site Requirements				Project Impact	
None				Local and neighborhood impacts as the road serves as a collector for North and NE Brainerd. Some hospital impacts to the main entrance, but not emergency vehicles.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2022 Sanitary Sewer Replacement Project	Utility	Engineering	Sanitary Sewer	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Sanitary sewer replacement project. Location to be determined.	
Construction Fund	\$0.00	Original Construction	2022		
Special Assessment	\$0.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$352,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost		Project Length			
	\$352,000.00	Miles	0		
Justification					
Sanitary sewer line determined to be aging and a frequent maintenance issue.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
14-04	Beech Street Resurfacing	Pavement Reconstruction	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Resurfacing of Beech Street between Oak Street and Oakridge Road. Reclaim the existing bituminous section and inlay new bituminous pavement of 3.5"	
Construction Fund	\$0.00	Original Construction	2021		
Special Assessment	\$80,000.00	Current Construction	2022		
Municipal State Aid	\$481,000.00				
Sanitary Sewer Fund	\$18,000.00				
Storm Water Utility	\$30,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost		Project Length			
	\$529,000.00	Miles	0.5	The street was constructed in 1984 and last sealed in 1987. Pavement is 34 years old and will have served close to its effective life by the time of project initiation. Poor soils in the area make for a shorter life span.	
Justification					
Pavement rating is 2.15/4.0, and curb rating is 3.5/4.0. Pavement is showing signs of severe distress such as potholes and alligator cracks.					
Site Requirements				Project Impact	
None				Local impacts to traffic anticipated. No planned detours at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Juniper Street Reconstruction	Total Reconstruction	Engineering	Street	2022
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2021	Reconstruct Juniper Street between N 2nd Street and N 10th Street. Total reconstruction including curb and gutter, grading and base, and bituminous pavement. Pedestrian curb ramps would be upgraded.	
Construction Fund	\$615,000.00	Original Construction	2014		
Special Assessment	\$92,000.00	Current Construction	2022		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$20,000.00				
Storm Water Utility	\$125,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History 2nd to 5th and 7th to 8th were constructed in 1914. 5th to 7th was constructed in 1974. 8th to 10th was constructed in 1953. Segment was overlayed in 1988, except 5th to 7th which was overlayed in 1985. Entire segment last sealed in 1995.	
Total Project Cost	\$760,000.00	Project Length			
		Miles	0.58		
Justification					
Pavement ratings are 2.41/4.0 from 2nd St to 5th St, 2.96/4.0 from 5th St to 8th St, 2.59/4.0 from 8th St to 10th St. Curb ratings are 1.5/4.0 from 2nd St to 5th St, 2.0/4.0 from 5th St to 8th St, 1.5/4.0 from 8th St to 10th St.					
Site Requirements				Project Impact	
None				Local impacts only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2023 Street Patching	Preventative Maintenance	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Annual large street patch project for streets not identified in the 5-year capital improvement plan.	
Construction Fund	\$10,000.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$10,000.00	Miles	0	This improvement has been happening for quite a few years and has been successful in ridding areas of localized potholing.	
Justification					
Localized areas of large potholes are taken care of with this project with large patches within the street. This effectively helps the street to meet its effective lifespan while doing a fairly inexpensive maintenance project.					
Site Requirements				Project Impact	
None.				Local impacts to traffic only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2023 Street Striping	Maintenance	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Annual striping of all the streets in Brainerd.	
Construction Fund	\$15,000.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$15,000.00	Miles	0	This is an annual maintenance project to keep the line work up to date on streets.	
Justification					
Striping of the streets maintains the safety of the selected corridor by ensuring the marking are visible.					
Site Requirements				Project Impact	
None				Local impacts to traffic only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2023 Crack Sealing	Preventative Maintenance	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Annual crack sealing of numerous streets in Brainerd.	
Construction Fund	\$25,000.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Brainerd has had an aggressive crack sealing program for years.	
Total Project Cost	\$25,000.00	Project Length			
		Miles	0		
Justification					
Crack sealing effectively seals cracks in the streets, which is proven to prolong the life of pavements.					
Site Requirements				Project Impact	
None.				Local impacts to traffic only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Paul Circle Resurfacing	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Resurfacing of Paul Circle from Paul Street to the end cul-de-sac. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$31,000.00	Original Construction	2022		
Special Assessment	\$8,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1980 and last sealed in 1987. Pavement is 39 years old and will have served its effective life cycle by the time the project is initiated.	
Total Project Cost	\$37,000.00	Project Length			
		Miles	0.05		
Justification					
Pavement rating is 2.04/4.0 and curb rating is 3.0/4.0. pavement is showing signs of distresses such as block cracking, alligator cracking, localized potholing, etc.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Madison Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Resurfacing of Madison Street from the S 6th Street East Frontage Road to S 7th Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$38,000.00	Original Construction	2022		
Special Assessment	\$5,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$40,000.00			
Justification		Project Length		Project History	
Pavement rating is 2.71/4.0 and curb rating is 3.0/4.0. Street has distresses such as alligator and block cracking and localized potholing.		Miles	0.06	The street was constructed in 1974 and last sealed in 1986. Street is 45 years old and has served its effective life cycle.	
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	S 7th Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Re4surfacing of S 7th Street between Paul Street and Wright Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$62,000.00	Original Construction	2022		
Special Assessment	\$16,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$64,000.00			
Justification		Project Length		Project History	
Pavement rating is 1.91/4.0, and curb rating is 3.0/4.0. Street has localized areas of potholing and significant alligator cracking.		Miles	0.1	The street was constructed in 1970 and was last sealed in 1980. Street is 49 years old and has served its effective life cycle.	
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Willow Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Resurfacing of Willow Street between S 6th Street and S 7th Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$0.00	Original Construction	2022		
Special Assessment	\$6,000.00	Current Construction	2023		
Municipal State Aid	\$68,000.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Willow Street was last resurfaced in 1985 and seal coated in 1990. Street is 34 years old and will have served its effective life cycle by the time of project initiation.	
Total Project Cost	\$70,000.00	Project Length			
		Miles	0.07		
Justification					
Pavement score in 2018 is 2.49/4.0. Curb rating in 2018 is 2.0/4.0. This block did not get surfaced with the resurfacing of Willow Street in 2014.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Paul Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Resurfacing of Paul Street between S 6th Street and S 8th Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$62,000.00	Original Construction	2022		
Special Assessment	\$8,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1969 and last sealed in 1980. Pavement is 50 years old and has served its effective life cycle.	
Total Project Cost	\$72,000.00	Project Length			
		Miles	0.1		
Justification					
Pavement rating is 2.04/4.0 and curb rating is 3.0/4.0. Pavement is showing distresses such as alligator cracking, localized potholing, and other distresses.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	S 8th St Resurfacing	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Resurfacing of S 8th Street between Paul Street and Wright Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$68,000.00	Original Construction	2022		
Special Assessment	\$17,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$72,000.00	Project Length			
		Miles	0.11	The street was constructed in 1969 and last sealed in 1987. Pavement is 50 years old and has served its effective life cycle.	
Justification					
Pavement rating is 2.58/4.0 and curb rating is 3.0/4.0. Pavement is showing distresses such as alligator cracking, localized potholing, and other distresses.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Todd Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Resurfacing of Todd Street from S 7th Street to Bane Park. Bituminous pavement and aggregate base would be removed and replaced between the curb line. Some spot curb repair is expected.	
Construction Fund	\$118,000.00	Original Construction	2015		
Special Assessment	\$30,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$122,000.00	Project Length			
		Miles	0.19	The street was constructed in 1959 and last sealed in 1968. Street has served its effective life expectancy.	
Justification					
Pavement rating is 1.89/4.0, and curb rating is 3.0/4.0.					
Site Requirements				Project Impact	
None				Coordinate work with Park programs. Best to complete construction after July 31.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2023 Seal Coat	Preventative Maintenance	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Seal coat of numerous streets.	
Construction Fund	\$150,000.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$150,000.00	Miles	0	Brainerd has had an effective seal coat program for many years.	
Justification					
Seal coating is known to extend the life of a street be effectively sealing out moisture in the pavement.					
Site Requirements				Project Impact	
None.				Local impacts to traffic only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	S 7th Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Resurfacing of S 7th Street between Mandison Street and Wright Street. Bituminous pavement and aggregate base would be removed and replaced between the curb line. Some curb spot repair is expected.	
Construction Fund	\$136,000.00	Original Construction	2017		
Special Assessment	\$35,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$10,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$152,000.00	Miles	0.22	The street was constructed in 1970 and last sealed in 1980. Pavement is 49 years old and has served its effective life cycle.	
Justification					
Pavement rating is 1.57/4.0, and curb rating is 2.5/4.0.					
Site Requirements				Project Impact	
None				Impacts to residents and businesses on the corridor as this is the only access point.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Rosewood, Sycamore, Tamarack Pavement Reconstruct	Pavement Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Segments between S 6th and S 7th. Construction consisting of base and bituminous replacement, but only spot curb repair needed. Some sanitary sewer work would be completed on Tamarac to finish sanitary re-route initiated during S 6th/371B reconstruction.	
Construction Fund	\$186,000.00	Original Construction	2013		
Special Assessment	\$29,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$60,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Rosewood was constructed in 1970. Sycamore was constructed in 1959 and sealed in 1968. Tamarac was constructed in 1967 and sealed in 1977.	
Total Project Cost	\$246,000.00	Project Length			
		Miles	0.18		
Justification					
Pavement ratings are 2.52/4.0 on Rosewood, 1.93/4.0 on Sycamore, and 1.89/4.0 on Tamarac. Curb ratings are 3.0/4.0 on Rosewood, 2.0/4.0 on Sycamore, and 1.5/4.0 on Tamarac.					
Site Requirements				Project Impact	
Complete after B371 (S 6th St) gets done. Would be best since sewer on Tamarack goes to S 6th. Or tie with S 7th St project.				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2023 Sanitary Sewer Replacement Project	Utility	Engineering	Sanitary Sewer	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Sanitary sewer replacement project. Location to be determined.	
Construction Fund	\$0.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$340,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$340,000.00	Project Length			
		Miles	0		
Justification					
Sanitary sewer line determined to be aging and a frequent maintenance issue.					
Site Requirements				Project Impact	
None				Local impacts only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	S 7th Street Reconstruction	Total Reconstruction	Engineering	Street	2023
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2022	Reconstruction of S 7th Street from Pine Street to Tamarac Street. Total reconstruction including curb and gutter, grading and base, sanitary sewer, and bituminous pavement.	
Construction Fund	\$289,000.00	Original Construction	2013		
Special Assessment	\$89,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$235,000.00				
Storm Water Utility	\$52,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Pine St to Rosewood St was constructed in 1924. Rosewood St to Tamarac St was constructed in 1951. The entire segment was overlayed in 1974 and sealed in 1986.	
Total Project Cost	\$576,000.00	Project Length			
		Miles	0.28		
Justification					
Pavement ratings are 2.87/4.0 from Pine St to Rosewood, 1.95/4.0 from Rosewood to Tamarac. Curb Ratings are 1.0/4.0 from Pine St to Rosewood, and 2.0/4.0 from Rosewood to Tamarac.					
Site Requirements				Project Impact	
None				Local impacts to traffic anticipated. No detours anticipated at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2024 Street Patching	Preventative Maintenance	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Annual large street patch project for streets not identified in the 5-year capital improvement plan.	
Construction Fund	\$10,000.00	Original Construction	2024		
Special Assessment	\$0.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$10,000.00	Miles	0	This improvement has been happening for quite a few years and has been successful in ridding areas of localized potholing.	
Justification					
Localized areas of large potholes are taken care of with this project with large patches within the street. This effectively helps the street to meet its effective lifespan while doing a fairly inexpensive maintenance project.					
Site Requirements				Project Impact	
None.				Local impacts to traffic only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2024 Street Striping	Maintenance	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Annual striping of all the streets in Brainerd.	
Construction Fund	\$15,000.00	Original Construction	2024		
Special Assessment	\$0.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$15,000.00	Miles	0	This is an annual maintenance project to keep the line work up to date on streets.	
Justification					
Striping of the streets maintains the safety of the selected corridor by ensuring the marking are visible.					
Site Requirements				Project Impact	
None				Local impacts to traffic only.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2024 Crack Sealing	Preventative Maintenance	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Annual crack sealing of numerous streets in Brainerd.	
Construction Fund	\$25,000.00	Original Construction	2024		
Special Assessment	\$0.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Brainerd has had an aggressive crack sealing program for years.	
Total Project Cost	\$25,000.00	Project Length			
		Miles	0		
Justification					
Crack sealing effectively seals cracks in the streets, which is proven to prolong the life of pavements.					
Site Requirements				Project Impact	
None.				Local impacts to traffic only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Norway Court Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Norway Court from Crestview Lane to the end of the cul-de-sac. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$38,000.00	Original Construction	2024		
Special Assessment	\$10,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$6,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Street was last surfaced in 1976 and seal coated in 1987. Surfacing is 43 years old and has served its effective life.	
Total Project Cost	\$46,000.00	Project Length			
		Miles	0.06		
Justification					
Pavement score in 2018 is 1.93/4.0. Curb rating in 2018 is 3.0/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Hillcrest Drive Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Hillcrest Drive from Buffalo Hills Lane to the end cul-de-sac. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$50,000.00	Original Construction	2024		
Special Assessment	\$13,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$6,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$60,000.00	Miles	0.08	Street was last surfaced in 1992 and seal coated in 1999. Surfacing is 27 years old. This street is considered to be failing pre-maturely. Possibly due to higher traffic counts due to large apartment complexes in the area.	
Justification					
Pavement score in 2018 is 2.73/4.0. Curb rating in 2018 is 2.0/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Belle Rae Circle Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Belle Rae Circle from Woodcrest Road to the end cul-de-sac. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$75,000.00	Original Construction	2024		
Special Assessment	\$19,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$2,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$81,000.00	Miles	0.12	Street was last surfaced in 1969 and seal coated in 1990. Surfacing is 50 years old and has served its effective life.	
Justification					
Pavement score in 2018 is 1.95/4.0. Curb rating in 2018 is 2.5/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Carol Lane Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Carol Lane from Buffalo Hills Lane to the end of the cul-de-sac. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$75,000.00	Original Construction	2024		
Special Assessment	\$19,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Street was last surfaced in 1977 and seal coated in 1987. Street pavement is 42 years old and has served its effective life.	
Total Project Cost	\$83,000.00	Project Length			
		Miles	0.12		
Justification					
Pavement rating in 2018 is a 1.9/4.0. Curb rating in 2018 is 2.0/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements			Project Impact		
None			Local traffic impacts anticipated during construction. No detour planned.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Woodcrest Road Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Woodcrest Road from Graydon Avenue to the dead end. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$93,000.00	Original Construction	2024		
Special Assessment	\$24,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History Street was last surfaced in 1969 and seal coated in 1990. Surfacing is 50 years old and has served its effective life.	
Total Project Cost	\$105,000.00	Project Length			
		Miles	0.15		
Justification					
Pavement score in 2018 is 1.91/4.0. Curb rating in 2018 is 3.0/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Pineview Drive Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Pineview Drive from Graydon Avenue to the dead end. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$106,000.00	Original Construction	2024		
Special Assessment	\$27,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$6,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$118,000.00	Project Length			
		Miles	0.17	Street was last surfaced in 1976 and seal coated in 1987. Surfacing is 43 years old and has served its effective life.	
Justification					
Pvement score in 2018 is 1.86/4.0. Curb rating in 2018 is 2.50/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Hawkins Drive Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Hawkins Drive between SW 4th Street to the dead end. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$130,000.00	Original Construction	2024		
Special Assessment	\$33,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$140,000.00	Project Length			
		Miles	0.21	Hawkins Drive was last surfaced in 1964 and seal coated in 1990. Pavement is 55 years old and has served is expected and effective life expectancy.	
Justification					
Pavement score in 2018 is 1.98/4.0. Curb rating in 2018 is 2.5/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements			Project Impact		
None			Local impacts to traffic is anticipated. No planned detour at this time.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2024 Seal Coat	Preventative Maintenance	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Seal coat of numerous streets.	
Construction Fund	\$150,000.00	Original Construction	2024		
Special Assessment	\$0.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$150,000.00	Miles	0	Brainerd has had an effective seal coat program for many years.	
Justification					
Seal coating is known to extend the life of a street by effectively sealing out moisture in the pavement.					
Site Requirements				Project Impact	
None.				Local impacts to traffic only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Linden Lane Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Linden Lane from S 6th Street to the end cul-de-sac. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$161,000.00	Original Construction	2024		
Special Assessment	\$42,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$10,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$175,000.00	Miles	0.26	Street was last surfaced in 1959 and seal coated in 1997. Surfacing is 60 years old and has served its effective life expectancy.	
Justification					
Pavement score in 2018 is 2.29/4.0. Curb rating in 2018 is 1.5/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	Crestview Lane Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Crestview Lane from Buffalo Hills Lane to Pineview Drive. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$161,000.00	Original Construction	2024		
Special Assessment	\$42,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$10,000.00				
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost		\$183,000.00	Project Length	Miles	0.26
Justification					
Pavement score in 2018 is 1.86/4.0. Curb rating in 2018 is 2.5/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements			Project Impact		
None			Impacts to local traffic anticipated with construction. No detour planned.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Spruce Drive Resurfacing	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Resurfacing of Spruce Drive from Buffalo Hills Lane to S 6th Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$235,000.00	Original Construction	2024		
Special Assessment	\$60,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$14,000.00				
Storm Water Utility	\$22,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost		\$271,000.00	Project Length	Miles	0.38
Justification					
Pavement score in 2018 is 2.18/4.0. Curb rating in 2018 is 2.5/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes. Spots in curb are in disrepair.					
Site Requirements			Project Impact		
None			Impacts to Brainerd Medical Center and other commercial businesses with rear access to Spruce Drive. Local impacts to residential properties anticipated. No planned detour at this time.		

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2024 Sanitary Sewer Replacement Project	Utility	Engineering	Sanitary Sewer	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Sanitary sewer replacement project. Location to be determined.	
Construction Fund	\$0.00	Original Construction	2024		
Special Assessment	\$0.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$302,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$302,000.00			
Justification					
Sanitary sewer line determined to be aging and a frequent maintenance issue.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Graydon Avenue Mill and Overlay	Pavement Reconstruction	Engineering	Street	2024
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2023	Mill and Overlay of Graydon Avenue from S 6th Street to Pineview Drive. Project consists of milling of the existing pavement 2" and overlay of new pavement to replace surface.	
Construction Fund	\$567,000.00	Original Construction	2024		
Special Assessment	\$179,000.00	Current Construction	2024		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$30,000.00				
Storm Water Utility	\$36,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		\$633,000.00			
Justification					
Pavement score in 2018 is 2.19/4.0. Curb rating in 2018 is 2.5/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
Site Requirements				Project Impact	
None				Local impacts to traffic is anticipated. No planned detour at this time.	