

**Table F.1. Capital Improvement Program**

Note: See project descriptions following the tables. PSC = Pioneer-Sarah WMC

Year	Descr in packet	Project	Project Name	Total Cost	Commission Share	Priority	Cost per lb.	Potential Funding Source(s)	Actual 2014	Actual 2015	Actual 2016	Actual 2017		
<b>CAPITAL PROJECTS</b>														
2014-	✓	ME-1	Lake Ardmore infiltration basin	30,000	3,000	Completed		PSC, Medina		3,316.35				
2015		IN-1	Lake Sarah curlyleaf pondweed treatment	40,000	4,000	Completed		PSC, Ind, Grfld, lake assn	2,104.73	1,011.26				
		IN-2	Hydrologic restorations: HR 67, 68, 29, and 33	200,000	20,000			PSC, Independence	Projects infeasible or lacking owner participation. Will be addressed at development					
	✓	ME-2	Lake Independence curlyleaf pondweed treatment	122,000	12,200			PSC, Med, Ind, lake assn	Treatment not in TMDL. May resubmit project in future					
			<b>Subtotal</b>	<b>\$392,000</b>	<b>\$39,200</b>				<b>\$2,105</b>	<b>\$4,328</b>				
2016	✓	GR-3	Dance Hall Creek BMPs	200,000	10,000			PSC, Greenfield, grants	302.46					
	✓	GR-4	Feedlot improvements: Dance Hall Creek	35,000	1,750			PSC, Greenfield, grants	Grouped under new project WW-2					
	✓	GR-9	Buffer strips: Dance Hall Creek	35,000	1,750			PSC, Greenfield, grants	Grouped under new project WW-4					
	✓	GR-11	Control carp population: other lakes	10,000	500			PSC, Greenfield, DNR, grants	Moved to 2020. Front-end assessments required.					
		IN-3	Lake Sarah curlyleaf pondweed treatment	32,000	3,200	Completed		PSC, Ind, Grfld, lake assn			8986.3			
		IN-4	Gully restorations: GS50 (design)	120,000	12,000	In Process		PSC, Independence, grants			5204.65			
	✓	ME-4	Lake Ardmore neighborhood projects	80,000	8,000	Redundant		PSC, Medina, grants	Redundant with new, specific CIPs resulting from SWA. 2017-2020 ME projects					
			<b>Subtotal</b>	<b>\$512,000</b>	<b>\$37,200</b>				<b>\$302</b>		<b>\$14,191</b>			
2017		IN-5	Lake Sarah curlyleaf pondweed treatment	26,000	2,600			PSC, Indep, Grfld, lake assn				8,767		
	✓	IN-7	Raingardens in targeted areas	75,000	7,500			PSC, Indep, property owners	Grouped under new project WW-4					
	✓	IN-9	Shoreline restoration – Sarah and Independence	125,000	12,500			PSC, Ind, Grfld, Medina, property owners, grants	Grouped under new project WW-4					
		GR-4	Feedlot improvements: Dance Hall Creek	35,000	1,750			PSC, Greenfield, grants	Grouped under new project WW-4					
		GR-9	Buffer strips: Dance Hall Creek	35,000	1,750			PSC, Greenfield, grants	Grouped under new project WW-4					
	✓	2017 IN-3	Wetland Restoration 1 Kazin Property	92,205	23,051	High	\$549/lb	PSC, Indep, County Grant, NRCS, EQUIP	Project infeasible at this time					
			<b>Subtotal</b>	<b>\$388,205</b>	<b>\$49,151</b>							<b>\$8,767</b>		
2018	✓	GR-3	Hafften, Schendel, Schwauppaufl BMPs	100,000	10,000			PSC, Greenfield, grants	Grouped under new project WW-4					
		IN-6	Lake Sarah curlyleaf pondweed treatment	28,000	8,000			PSC, Ind, Grfld, lake assn						
	✓	2017 ME-1	Fern St Gully Stabilization	87,850	58,317	High	\$277/lb	PSC, City, grants						
	✓	2017 ME-2	Fern St Iron Enhanced Sand Filter						\$1411/lb	PSC, City, grants				
	✓	2017 ME-3	Aspen Ave Pond Enlargement PD3						\$2343/lb	PSC, City, grants				
	✓	2017 ME-4	Medina Boat Launch Shoreline Restora SR1						\$550/lb	PSC, City, grants				
	✓	2017 ME-5	Inde						\$3300/lb	PSC, City, grants				
	✓	MP-6	South Ravine cleanup	260,000	26,000			PSC, Maple Plain, grants	City Requested Removal					
	✓	2017 ME_IN-1	Baker Park Reserve Campground Ravine Stabiliza	485,000	10,500	High	\$181/yr	PSC, cities, BWSR CWF Grant, county grant						
	✓	2018 IN-01	Lake Independence Carp Study Phase 1	\$20,000	\$5,000			\$15,000 TRPD						
	✓	2018 IN-04	Hydrologic Restora 95 - Koch Property Structure	\$27,500	\$6,875									
			<b>Subtotal</b>	<b>\$1,008,350</b>	<b>\$124,692</b>									
2019	✓	ME-5	Sediment sampling in Lake Independence	18,500	1,850	Completed		PSC, Medina, Ind, TRPD	Completed in 2016 by UW Stout for TRPD. Comm did not share in cost.					
	✓	2018 IN-02	Lake Independence Carp Study Phase 2	\$20,000	\$5,000			\$15,000 TRPD						
	✓	2017 IN-4	Wetland Restoration 18	559,205	139,801	Medium	\$707/lb	PSC, Independence, County Grant, NRCS, EQUIP						
			<b>Subtotal</b>	<b>\$38,500</b>	<b>\$6,850</b>									
2020	✓	IN-8	Sediment sampling in Lake Sarah	12,000	1,200			PSC, Independence, Greenfield						

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	in packet											
		GR-11	Control carp population: Lake Sarah / other lakes	10,000	500			PSC, Greenfield, DNR, grants				
	✓	2018 MI-01	Whaletail South Alum Treatment	\$300,646	\$75,162							
		IN-9	Shoreline restoration— Sarah and Independence	125,000	12,500			PSC, Ind, Med, Grfld, property owners, grants	Grouped with WW-1			
		GR-4	Feedlot improvements	35,000	1,750			PSC, Greenfield, grants				
		IN-2	Hydrologic restorations GS50 (install)	200,000	20,000			PSC, Independence, grants	Included in 2017 ME_IN-1			
	✓	ME-6	Tomahawk Trail wetland project	230,000	23,000			PSC, Medina, grants	Moved to 2021			
	✓	2017 IN-1	JB Gully Stabilization	75,000	18,750	High	\$300/lb	PSC, Ind, County, MPCA, Lake Assn				
	✓	2017 IN-2	Hydrologic restoration 95 Koch property	61,205	15,300	High	\$317-\$481/lb	PSC, Independence, County Grant, NRCS, EQUIP	See 2018 IN-04			
	✓	2017 IN-5	Wetland Restoration 91	529,205	79,380	Low	\$1447/lb	PSC, Independence, County Grant, NRCS, EQUIP				
	✓	2017 IN-6	Wetland Restoration 105	543,205	81,481	Medium	\$845/lb	PSC, Independence, County Grant, NRCS, EQUIP				
	✓	2017 IN-7	Seasonal Pond 77	10,420	2,605	High	\$366/lb	PSC, Independence, County Grant				
	✓	2017 MI-1	South Whaletail Lake Alum Treatment	200,000	5,000	High	\$55/lb	PSC, city, BWSR CWF Grant, county grant	Moved to 2021 See 2018 MI-01			
			<b>Subtotal</b>	<b>\$2,331,681</b>	<b>\$336,628</b>							
<b>2021</b>	✓	ME-2	Lake Independence curlyleaf pondweed treatment	122,000	12,200			PSC, Med, Ind, lake assn				
	✓	ME-6	Tomahawk Trail wetland project	230,000	23,000			PSC, Medina, grants				
	✓	2017 MI-1	South Whaletail Lake Alum Treatment	350,000		High	\$55/lb	PSC, city, BWSR CWF Grant, county grant	Moved to 2021 See 2018 MI-01			
			<b>Subtotal</b>	<b>\$702,000</b>	<b>\$35,200</b>							
<b>2023</b>	✓	2018 IN-03	Lake Independence Alum Treatment	\$1,390,468	\$250,000							
			<b>Subtotal</b>	<b>\$9,149,885</b>	<b>\$1,283,724</b>							
<b>Ongoing Opportunity Based Projects - Watershed Wide</b>												
		WW-1	Stormwater BMPs / retrofits		\$10,000							
		WW-2	Feedlot / Manure Management BMPs		\$10,000							
		WW-3	Agricultural Practice BMPs		\$10,000							
			<b>Subtotal</b>	<b>\$0</b>	<b>\$30,000</b>							

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<b>SPECIAL STUDIES</b>												
2015	✓	MP-4	Ravine study	3,000	300	In Process		PSC, Maple Plain				300
2015	✓	ME-3	Lake Independence Subwatershed Assessment	15,000	1,500	Completed		PSC, Independence	Lake Sarah and Lake Independence Stormwater Retrofit Analysis completed in 2014. Funded by HCD, Metro Conservation Dist, City of Independence, Anoka Conservation Dist, and Clean Water Fund. No funds provided by Comm.			
2018	✓	GR-1	Subw Assess-Hafften, Schendel, Schwauppauff	20,000	1,000			PSC, Greenfield				
			<b>Subtotal</b>	<b>\$38,000</b>	<b>\$2,800</b>							
<b>OTHER PROJECTS COMPLETED</b>												
2014			Dance Hall Creek SWA (GR-3 2016)									
2014			Lake Independence Outlet Construction						426.63			
2014			Lake Independence Bullrush Restoration						1307.8			
2015			Lake Independence Weir Construction at Outlet							318		
2016			Lake Ardmore Subwatershed Assessment								218.25	
2017			Greenfield Central Park BMPs					Spent from Special Proj Fund, not CIP				3500
			<b>SUBTOTAL</b>	<b>\$14,560,621</b>	<b>\$1,945,445</b>				<b>\$4,142</b>	<b>\$4,328</b>	<b>\$14,409</b>	<b>\$8,767</b>
<b>No Year Assigned</b>												
		GR-3,4,9	Ongoing Dance Hall Creek BMPs					PSC, City, Grants	See WW-4			15,000
		CIP-7	Lindgren Lane Pond	100,000	10,000							
		CIP-8	Koch's/Mill's Creek Inlet Ponds (now HR 97 and 29)	200,000	20,000							
		CIP-11	Manure Management Cost Share Projects	250,000	25,000				See WW-2			
	✓	LO-1	Chippewa Road Drainage	21,000	2,100	Complete		Project completed by city in 2016 - \$21,710, No request for funds from Commission				
	✓	LO-2	Creekview Road Drainage	21,000	2,100							
	✓	LO-3	Retention Pond mapping and cleanup	10,000	1,000							
	✓	LO-4	Ditch Cleaning at Ballpark	10,000	1,000							
	✓	LO-5	Sediment Pond Cleanout	25,000	2,500							
	✓	LO-6	Sediment Pond Cleanout	80,000	8,000							
	✓	MP-1	Drainageway Cleaning - E of Budd	55,000	5,500							
	✓	MP-2	Rock checks, Main St Ravine	23,700	2,370							
	✓	MP-3	Washout, Main St Ravine	8,000	800							
	✓	MP-5	North Ravine Cleanup	286,000	28,600							
			<b>Subtotal</b>	<b>\$1,089,700</b>	<b>\$108,970</b>							
<b>TOTAL COST</b>				<b>\$15,650,321</b>	<b>\$2,054,415</b>							
<b>Other Related Local Projects, No Commission Contribution</b>												
	✓	GR-2	Whisper Creek WWTP	\$500,000	\$ -							

- Completed Projects
- New projects to be added to CIP with 2018 Minor Plan Amendment
- Items removed from CIP