



Grant All-Detail Report SWCD Local Capacity Services 2021

Grant Title - 2021 - SWCD Local Capacity Services (Marshall SWCD)

Grant ID - P21-2722

Organization - Marshall SWCD

Original Awarded Amount	\$130,957.00	Grant Execution Date	12/16/2020
Required Match Amount	\$0.00	Original Grant End Date	12/31/2023
Required Match %	0%	Grant Day To Day Contact	Darren Carlson
Current Awarded Amount	\$130,957.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$130,957.00	\$19,655.55	\$111,301.45
Total Match Amount	\$18,200.00	\$9,100.00	\$9,100.00
Total Other Funds	\$16,562.55	\$26,999.09	\$-10,436.54
Total	\$165,719.55	\$55,754.64	\$109,964.91

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2019 State Cost Share	Agricultural Practices	Other Funds	2019 - State Cost-Share Fund (Marshall SWCD)	\$7,592.80			N
2021 District Technician Position	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Marshall SWCD)	\$32,500.00	\$3,774.52	12/31/2021	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2021 Engineering Assistance	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Marshall SWCD)	\$20,000.00	\$3,669.04	12/31/2021	N
2021 Equipment Purchases	Supplies/Equipment	Current State Grant	2021 - SWCD Local Capacity Services (Marshall SWCD)	\$20,000.00	\$3,227.28	4/21/2021	N
2021 Marshall SWCD Ag BMP Loan Program	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Marshall SWCD)	\$7,500.00	\$308.80	11/30/2021	N
2021 Marshall SWCD Conservation Cost Share Program	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Marshall SWCD)	\$40,000.00			N
2021 Marshall SWCD Technical Assistance	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Marshall SWCD)	\$10,957.00			N
Barry Walton Side water Inlets (SWIs) Eng. 19-04 & Eng. 21-03	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Marshall SWCD)	\$0.00	\$6,740.11	12/21/2021	N
Barry Walton Side water Inlets (SWIs) Eng. 19-04 & Eng. 21-03	Agricultural Practices	Other Funds	2019 - SWCD Local Capacity Services (Marshall SWCD)	\$0.00	\$14,691.14	12/21/2021	N
Barry Walton Side water Inlets (SWIs) Eng. 19-04 & Eng. 21-03	Agricultural Practices	Other Funds	Landowner Funds	\$7,143.75	\$7,143.75	12/21/2021	Y
Marshall County Match	Technical/Engineering Assistance	Local Fund		\$18,200.00	\$9,100.00	12/17/2021	Y
Matt Waterworth Side Water Inlets (SWIs)	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Marshall SWCD)	\$0.00	\$1,935.80	11/23/2021	N
Matt Waterworth Side Water Inlets (SWIs)	Agricultural Practices	Other Funds	2019 - State Cost-Share Fund (Marshall SWCD)	\$0.00	\$3,097.70	11/23/2021	N
Matt Waterworth Side Water Inlets (SWIs)	Agricultural Practices	Other Funds	2020 - State Cost-Share Fund (Marshall SWCD)	\$0.00	\$240.50	11/23/2021	N
Matt Waterworth Side Water Inlets (SWIs)	Agricultural Practices	Other Funds	Landowner Fund	\$1,826.00	\$1,826.00	11/23/2021	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
410 - Grade Stabilization Structure	2	2	2 COUNT	2 COUNT
410 - Grade Stabilization Structure	7	7	7 COUNT	7 COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	101.50	TONS/YR
PHOSPHORUS (EST. REDUCTION)	111.80	LBS/YR
SOIL (EST. SAVINGS)	289.00	TONS/YR

Grant Activity

Grant Activity - 2021 District Technician Position

Description	<p>Marshall County Comprehensive Local Water Management Plan</p> <p>The Marshall SWCD hired a District Technician in the spring of 2020. Some of the programs the District Technician has assisted with are the Wetland Conservation Act (WCA), the Marshall SWCD Drill and Tree Planting Program and the Minnesota Buffer Law Program. Those programs the District Technician was able to bill to those programs directly.</p> <p>Programs that the District Technician has not be able to bill are things such as site investigations and inventories that include spot checks for past installation of practices/projects and site visits for future projects, SWCD Board Meetings and other LGU Meetings/ some trainings and Educational Activities such as Envirothon and Northwest Minnesota Water Festival. These and other items the District Technician will charge towards these funds.</p>	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	16-Dec-20	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>No funds were spent in 2020.</p> <p>The Marshall SWCD hired a District Technician and the Technician started April 6, 2020. Some of the programs the District Technician assisted with were the Wetland Conservation Act (WCA), the Marshall SWCD Drill and Tree Planting Program and the Minnesota Buffer Law Program. These programs the District Technician will be able to bill to these programs directly.</p> <p>Programs that the District Technician was not able to bill are were items such as site investigations and inventories that include spot checks for past installation of practices/projects and site visits for future projects, SWCD Board Meetings and other LGU Meetings/ some trainings and Educational Activities such as Envirothon and Northwest Minnesota Water Festival. The District Technician also started a Facebook page for the Marshall SWCD to highlight accomplishments and programs offered through the Marshall SWCD.</p>	

Grant Activity - 2021 Engineering Assistance

Description

Marshall County Comprehensive Local Water Management Plan

The Marshall SWCD has worked with the Red River Valley Conservation Service Area (RRVCSA) and Houston Engineering on surveying, designing and implementing Ag Best Management Practices (BMPs) throughout the county in the past. The Marshall SWCD would like to continue with this working agreement, but also would like to entertain working with new engineers or staff from other counties who have the necessary Job Approval Authority. With over 100 Side Water Inlets (SWIs) and other conservation practices planned in 2021, the Marshall SWCD is looking at a very heavy workload.

These funds will go to offset some of the costs associated with the RRVCSA, Houston Engineering and other staff with Job Approval Authority work. Funds will go to survey, design, construction inspection and checkout, etc. for SWIs, Grade Stabilization Structures and other conservation practices planned for Marshall County.

An average of \$500 per Side Water Inlet is what the RRVCSA charges design works and construction checkouts, this can be used as a reference. With an expected large workload for the RRVCSA staff, the Marshall SWCD may look at alternative means to do their engineering services and prices may vary.

Category

TECHNICAL/ENGINEERING ASSISTANCE

Start Date

16-Dec-20

End Date

Has Rates and Hours?

No

Actual Results

No funds have been spent as of 12/31/2020.

In 2021 these funds were used to fund Duane Steinbrink's (West Polk SWCD) time for surveying, designing and construction checkouts on Side Water Inlets (SWIs) throughout Marshall County. Duane has the proper Job Approval Authority (JAA) to assist the Marshall SWCD with their Engineering workload.

Grant Activity - 2021 Equipment Purchases

Description	<p>Marshall County Comprehensive Local Water Management Plan</p> <p>The Marshall SWCD currently has a Haybuster Drill that half (10 feet) was purchased in 2012 and the other half in 2016. Also the Marshall SWCD has a 8 Feet Gandy Drill for planting Buffer Strips. With Governor Dayton's Buffer law and continuous Conservation Reserve Program (CCRP/CRP) applications, the Marshall SWCD has numerous request for staff to come out and plant CCRP/Buffer acres. The Marshall SWCD currently uses their staff to plant acres with their drill. The Marshall SWCD is currently leasing a 2016 John Deere 6120 E Cab Tractor to help pull the Haybuster and/or Gandy Drill. This tractor is leased with funds coming also from 2019 and 2020 and future 2022 Local Capacity Funds.</p> <p>These funds will be used for a purchase of two new laptops/computers for the Programs Manager and Field Manager. Both of their existing computers have had a long career. Other potential items for purchase for the Marshall SWCD would be floor mats for the chairs to roll on at the staff computer spaces and Covid 19 protection items such as glass/plastic dividers between staff and the public, once they are allowed back into the building.</p>	
Category	SUPPLIES/EQUIPMENT	
Start Date	16-Dec-20	End Date
Has Rates and Hours?	No	
Actual Results	<p>No funds have been spent as of 12/31/2020.</p> <p>Funds in 2021 were used help pay for the lease of the tractor to help plant buffers and get Marshall County parcels compliance with MN Buffer Law.</p>	

Grant Activity - 2021 Marshall SWCD Ag BMP Loan Program

<p>Description</p>	<p>Marshall County Comprehensive Local Water Management Plan</p> <p>The Minnesota Department of Ag (MDA) Best Management Practice (BMP) Loan Program is a water quality program that provides low-interest loans to farmers, rural landowners and agriculture supply businesses. The purpose is to encourage agricultural Best Management Practices (BMPs) that prevent or reduce runoff from feedlots, farm fields and other pollution problems identified by the county in local water plans. The last three years there have been an average per year of 20 applicants requesting 1.5 million dollars. The amount of applicants and requesting funds should be the same or even increase in applications for 2021 and beyond. Current bankers have stated they cannot have such low interest loans and will be sending potential Ag BMP applications the Marshall SWCD way. From start to finish it takes on the average of 2 - 4 hours to complete the paperwork and have it go through the correct channels. These funds will help to attend meetings/trainings, administrate and promote this program.</p>	
<p>Category</p>	<p>TECHNICAL/ENGINEERING ASSISTANCE</p>	
<p>Start Date</p>	<p>16-Dec-20</p>	<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>Yes</p>	
<p>Actual Results</p>	<p>No funds have been spent as of 12/31/2020.</p> <p>Funds in 2021 were used to administer, promote, take applications and converse with landowners about the Ag BMP Program.</p>	

Grant Activity - 2021 Marshall SWCD Conservation Cost Share Program

<p>Description</p>	<p>Marshall County Comprehensive Local Water Management Plan Marshall SWCD will use these funds as cost share assistance (75%) for the installation of new Side Water Inlets (SWIs), existing SWIs that need to be replaced due to they were not designed to NRCS Standards or Specifications and/or impose a safety hazard due to being rusty or ineffective, Grade Stabilization Structures, Streambank Structures and Grass Filter Strip/Buffer Strip Implementation (pay \$200/acre for Cool Season Grasses and \$300/acre for Warm Season Grasses) practices consistent with NRCS Field Technical Guide in Marshall County. Also the Marshall SWCD Cover Crop Program will be created to provide funds for landowners/operators who are interested in utilizing cover crops in their farming operation. The Marshall SWCD is anticipating at least 4 new operators utilizing 300 acres of cover crops will be implemented per year with these funds. A maximum of 80 acres per operator/applicant for a 3 year agreement. Payment rates to approved applicants for the installation of the cover crops practice will be \$25/acre for a single species and \$35/acre for a multiple species which will consists of one grass and one broad leaf species. Seeding dates and rates will follow Table 1 of the USDA Minnesota Agronomy Technical Note 33 (November 2018). Applicants may use either spring or fall cover crop. Priorities to funds will go to applicants who signup ground within 1 mile of a Drinking Water Supply Management Area in Marshall County and/or if the applicants ground is considered Highly Erodible Land (HEL). The Marshall County SWCD Board of Supervisors will approve or deny contracts and these actions will be documented in the SWCD District Board's meeting minutes. The Marshall SWCD will develop a local cover crop policy which will be reviewed by the BWSR Board Conservationist, approved by the SWCD Board and attached into eLINK prior to entering any contracts for cover crop practices.</p>	
<p>Category</p>	<p>AGRICULTURAL PRACTICES</p>	
<p>Start Date</p>	<p>16-Dec-20</p>	<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>No</p>	
<p>Actual Results</p>	<p>No funds have been spent as of 12/31/2020. In 2021 these funds along with other State Cost Share/local Capacity Funds funded 2 contracts for the installation of 9 Side Water Inlets (SWIs) throughout Marshall County.</p>	

Grant Activity - 2021 Marshall SWCD Technical Assistance

Description	Marshall County Comprehensive Local Water Management Plan		
	These funds will be used to provide Marshall SWCD's staff technical assistance to landowners to deliver and implement the Marshall SWCD Conservation Cost Share Program that will be completed with capacity funding.		
	Creating Maps, contracts, vouchers, elink reporting, site visits and providing Technical Advice/Assistance to landowners and operators will be part of the deliver and implementation of the Local Capacity Marshall SWCD Conservation Cost Share Program and Marshall SWCD/County Well sealings.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	16-Dec-20	End Date	
Has Rates and Hours?	Yes		
Actual Results	No funds have been spent as of 12/31/2021.		

Grant Activity - Barry Walton Side water Inlets (SWIs) Eng. 19-04 & Eng. 21-03

Description	7 Side Water Inlets will be installed in Rollis Township section 18 along Judicial Ditch 11 - Branch 14 to stop head cutting erosion going into the Public Ditch.		
Category	AGRICULTURAL PRACTICES		
Start Date	15-Jul-21	End Date	17-Nov-21
Has Rates and Hours?	No		
Actual Results	7 Side Water Inlets were installed in Rollis Township section 18 along Judicial Ditch 11 - Branch 14 to stop head cutting erosion going into the Public Ditch. Blue Sky Blading out of Gatzke, MN was the contractor who installed the SWIs. Duane Steinbrink (West Polk) has the proper Job Approval Authority (JAA) and surveyed, designed and did a construction checkout on this project.		

Activity Action - Barry Walton Eng. 19-04 & 21-03 SWIs			
Practice	410 - Grade Stabilization Structure	Count of Activities	7
Description	7 Side Water Inlets were installed in Rollis Township section 18 along Judicial Ditch 11 - Branch 14 to stop head cutting erosion going into the Public Ditch. Blue Sky Blading out of Gatzke, MN was the contractor who installed the SWIs. Duane Steinbrink (West Polk) has the proper Job Approval Authority (JAA) and surveyed, designed and did a construction checkout on this project.		
Proposed Size / Units	7.00 COUNT	Lifespan	10 Years
Actual Size/Units	7.00 COUNT	Installed Date	17-Nov-21
Mapped Activities	7 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for Barry Walton Eng. 19-04 & 21-03 SWIs

Indicator Name	SEDIMENT (TSS)	Value	86.1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	JD 11 - Br. 14		

Final Indicator for Barry Walton Eng. 19-04 & 21-03 SWIs

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	98.7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	JD 11 - Br. 14		

Final Indicator for Barry Walton Eng. 19-04 & 21-03 SWIs

Indicator Name	SOIL (EST. SAVINGS)	Value	245
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	JD 11 - Br. 14		

Grant Activity - Marshall County Match

Description	Marshall County increased their County Allocation to the Marshall SWCD by \$18,200. These funds will be used to help pay for the Marshall County GIS Specialist time. The GIS Specialist will make maps and assist with the Marshall SWCD Webpage. Also these funds will be used to help pay for the Marshall County Engineers time. These Engineers will help assist the Marshall SWCD with survey, design and checkout of Ag Best Management Practices (BMPs).		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	16-Dec-20	End Date	
Has Rates and Hours?	No		
Actual Results	No funds have been spent as of 12/31/2020.		
	In 2021, half of these funds were used to pay for the Marshall County assistance with GIS/Website and Engineering Assistance from the Highway Department.		

Grant Activity - Matt Waterworth Side Water Inlets (SWIs)

Description	Matt Waterworth will install 2 Side Water Inlets (SWIs) along County Ditch 23 in New Maine Township Section 31. These will reduce head cutting erosion that is going into the Public Ditch.		
Category	AGRICULTURAL PRACTICES		
Start Date	6-Jul-21	End Date	01-Oct-21
Has Rates and Hours?	No		
Actual Results	Matt Waterworth installed 2 Side Water Inlets (SWIs) along County Ditch 23 in New Maine Township Section 31. Huffy Excavation out of Newfolden, MN was the contractor. Duane Steinbrink (West Polk SWCD) has proper Job Approval Authority (JAA) and was the person who surveyed, designed and signed off on the project.		

Activity Action - Matt Waterworth Side Water Inlets (SWIs) (SCS 19-03, SCS 20-01, Eng. 21-02)

Practice	410 - Grade Stabilization Structure	Count of Activities	2
Description	Matt Waterworth installed 2 Side Water Inlets (SWIs) along County Ditch 23 in New Maine Township Section 31. Huffy Excavation out of Newfolden, MN was the contractor. Duane Steinbrink (West Polk SWCD) has proper Job Approval Authority (JAA) and was the person who surveyed, designed and signed off on the project.		
Proposed Size / Units	2.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	1-Oct-21
Mapped Activities	2 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for Matt Waterworth Side Water Inlets (SWIs) (SCS 19-03, SCS 20-01, Eng. 21-02)			
Indicator Name	SEDIMENT (TSS)	Value	15.4
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 23		
Final Indicator for Matt Waterworth Side Water Inlets (SWIs) (SCS 19-03, SCS 20-01, Eng. 21-02)			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	13.1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 23		
Final Indicator for Matt Waterworth Side Water Inlets (SWIs) (SCS 19-03, SCS 20-01, Eng. 21-02)			
Indicator Name	SOIL (EST. SAVINGS)	Value	44
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 23		

Grant Attachments

Document Name	Document Type	Description
2021 SWCD Local Capacity and Buffer Law Implementation	Grant Agreement	2021 SWCD Local Capacity and Buffer Law Implementation - Marshall SWCD
2021 SWCD Local Capacity and Buffer Law Implementation EXECUTED	Grant Agreement	2021 SWCD Local Capacity and Buffer Law Implementation - Marshall SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/08/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/20/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/19/2022
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/11/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 09/21/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/14/2020