



# Grant Work Plan

## Cost Share 2021

**Grant Title:** 2021 - State Cost-Share Fund (Brown SWCD)

**Grant ID:** P21-5270

**Grantee:** Brown SWCD

**Fiscal Agent:**

**Grant Day-to-Day Contact:** Melanie Krueger

**Grant Award (\$):** \$14,757.00

**Required Match (%):** 25

**Required Match (\$):** \$3,689.25

**Grant Execution Date:** 08/21/2019

**Grant End Date:** 12/31/2023

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$14,757.00	\$14,757.00	\$0.00
Match Funds	\$7,171.81	\$7,171.81	\$0.00
Other Funds	\$78,173.27	\$78,173.27	\$0.00
<b>Total</b>	<b>\$100,102.08</b>	<b>\$100,102.08</b>	<b>\$0.00</b>

\*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	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
FY21-03 Runck	Agricultural Practices	Other Funds	2018 - State Cost-Share Fund (Brown SWCD)	\$2,575.87	\$2,575.87	\$0.00	N
FY21-03 Runck	Agricultural Practices	Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$5,673.76	\$5,673.76	\$0.00	N
SCS2022-02 Mathiowetz	Agricultural Practices	Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$2,327.24	\$2,327.24	\$0.00	N
SCS2022-02 Mathiowetz	Agricultural Practices	Other Funds	2023 - State Cost-Share Fund (Brown SWCD)	\$11,033.30	\$11,033.30	\$0.00	N
SCS2022-02 Mathiowetz	Agricultural Practices	Other Funds	2022 - State Cost-Share Fund (Brown SWCD)	\$8,010.46	\$8,010.46	\$0.00	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
FY21-04 Maas	Agricultural Practices	Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$4,356.00	\$4,356.00	\$0.00	N
SCS2022-02 Mathiowetz	Agricultural Practices	Federal Funds	Federal Funds	\$10,757.00	\$10,757.00	\$0.00	N
FY21-03 Runck	Agricultural Practices	Landowner Fund	Landowner Match	\$852.46	\$852.46	\$0.00	Y
FY21-03 Runck	Agricultural Practices	Landowner Fund	Landowner Match	\$1,897.41	\$1,897.41	\$0.00	Y
FY21-04 Maas	Agricultural Practices	Landowner Fund	Landowner Match	\$1,452.00	\$1,452.00	\$0.00	Y
FY21-01 Haala Properties	Conservation Drainage	Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$1,200.00	\$1,200.00	\$0.00	N
FY21-02 Haala Developments	Conservation Drainage	Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$1,200.00	\$1,200.00	\$0.00	N
FY21-01 Haala Properties	Conservation Drainage	Landowner Fund	Landowner Match	\$2,090.00	\$2,090.00	\$0.00	Y
FY21-02 Haala Developments	Conservation Drainage	Landowner Fund	Landowner Match	\$1,732.40	\$1,732.40	\$0.00	Y

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	28.34	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	28.34	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	45.63	Tons/Yr

## Indicator Summary

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1.5	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	1	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	1	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1.5	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	1	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	1	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	13.6	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	13.6	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	27.2	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Estimates)			
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	6.71	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	5.83	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	10.41	Tons/Yr

## Grant Activities

<b>Activity Name: FY21-01 Haala Properties</b>						
<b>Activity Category:</b> Conservation Drainage					<b>Staff time?:</b> No	
<b>Description:</b> Contract for installation of 4 Alternative Tile Intakes to replace open field intakes in Home 32.						
<b>Budget Details</b>						
<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$1,200.00	\$1,200.00	\$0.00	11/10/2021	N
Landowner Fund	Landowner Match	\$2,090.00	\$2,090.00	\$0.00	11/10/2021	Y
<b>Actual Results</b>						
Completion of 4 alternative tile intakes (replaced existing open field intakes) in Home 32.						

<b>Final Indicators</b>		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	1	Tons/Yr
Phosphorus (Est. Reduction)	1.5	Lbs/Yr
Sediment (Tss)	1	Tons/Yr

Activity Action Name:	FY21-01 Haala Properties	Activity Count: 4
Practice Type:	172M - Alternative Tile Intake - Gravel Inlet	Size/Units: 4 - Acre-Feet/Yr
TA Provider/JAA:	Other	Lifespan: 10 Years
Practice Description:	Completion of 4 alternative tile intakes (replaced existing open field intakes) in Home 32.	Install Date: 11/10/2021
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1.5	Other	29007
Sediment (Tss)	Tons/Yr	1	Other	29007
Soil (Est. Savings)	Tons/Yr	1	Other	29007

## Activity Name: FY21-02 Haala Developments

<b>Activity Category:</b> Conservation Drainage	<b>Staff time?:</b> No
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**Description:** Contract for installation of 4 Alternative Tile Intakes to replace open field intakes in Home 32.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$1,200.00	\$1,200.00	\$0.00	11/10/2021	N
Landowner Fund	Landowner Match	\$1,732.40	\$1,732.40	\$0.00	11/10/2021	Y

### Actual Results

Completion of 4 alternative tile intakes (replaced existing open field intakes) in Home 32.

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	1	Tons/Yr
Soil (Est. Savings)	1	Tons/Yr
Phosphorus (Est. Reduction)	1.5	Lbs/Yr

Activity Action Name:	FY21-02 Haala Developments	Activity Count: 4
Practice Type:	172M - Alternative Tile Intake - Gravel Inlet	Size/Units: 4 - Acre-Feet/Yr
TA Provider/JAA:	Other	Lifespan: 10 Years
Practice Description:	Completion of 4 alternative tile intakes (replaced existing open field intakes) in Home 32.	Install Date: 11/10/2021
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	1	Other	29007
Phosphorus (Est. Reduction)	Lbs/Yr	1.5	Other	29007
Sediment (Tss)	Tons/Yr	1	Other	29007

## Activity Name: FY21-03 Runck

Activity Category: Agricultural Practices

Staff time?: No

Description: Contract for a Grassed Waterway project in North Star 17 (co-funded project with 2018 & 2021 cost share grant funds)

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Landowner Fund	Landowner Match	\$852.46	\$852.46	\$0.00	12/22/2021	Y
Current State Grant	2018 - State Cost-Share Fund (Brown SWCD)	\$2,575.87	\$2,575.87	\$0.00	12/22/2021	N
Landowner Fund	Landowner Match	\$1,897.41	\$1,897.41	\$0.00	12/22/2021	Y
Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$5,673.76	\$5,673.76	\$0.00	12/22/2021	N

### Actual Results

Completion of a Grassed Waterway project in North Star 17.

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	28.34	Lbs/Yr
Sediment (Tss)	28.34	Tons/Yr
Soil (Est. Savings)	45.63	Tons/Yr

Activity Action Name: FY21-03 Runck

Practice Type: 412 - Grassed Waterway and Swales

TA Provider/JAA: TSA

Practice Description: Installation of a grassed waterway project in North Star 17

Activity Count: 1

Size/Units: 1338 - Cfu

Lifespan: 10 Years

Install Date: 12/22/2021

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	45.63	Bwsr Calc (Gully Stabilization)	29014
Sediment (Tss)	Tons/Yr	28.34	Bwsr Calc (Gully Stabilization)	29014
Phosphorus (Est. Reduction)	Lbs/Yr	28.34	Bwsr Calc (Gully Stabilization)	29014

## Activity Name: FY21-04 Maas

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Contract for a Grassed Waterway project in Home 14 (co-funded project with 2022 cost share grant funds)

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$4,356.00	\$4,356.00	\$0.00	12/27/2022	N
Landowner Fund	Landowner Match	\$1,452.00	\$1,452.00	\$0.00	12/27/2022	Y

### Actual Results

Completion of a Grassed Waterway project in Home 14. Project came in under estimate so only FY21 grant funds were used towards final cost of project cost share payment to landowner.

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	13.6	Tons/Yr
Phosphorus (Est. Reduction)	13.6	Lbs/Yr
Soil (Est. Savings)	27.2	Tons/Yr



Activity Action Name:	FY21-04 Maas	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 340 - Cfu
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	Installation of a grassed waterway project in Home 14.	Install Date: 12/27/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	27.2	Bwsr Calc (Gully Stabilization)	28092
Phosphorus (Est. Reduction)	Lbs/Yr	13.6	Bwsr Calc (Gully Stabilization)	28092
Sediment (Tss)	Tons/Yr	13.6	Bwsr Calc (Gully Stabilization)	28092

## Activity Name: SCS2022-02 Mathiowetz

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** WASCOB

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 - State Cost-Share Fund (Brown SWCD)	\$2,327.24	\$2,327.24	\$0.00	12/31/2023	N
Current State Grant	2023 - State Cost-Share Fund (Brown SWCD)	\$11,033.30	\$11,033.30	\$0.00	12/31/2023	N
Current State Grant	2022 - State Cost-Share Fund (Brown SWCD)	\$8,010.46	\$8,010.46	\$0.00	12/31/2023	N
Federal Funds	Federal Funds	\$10,757.00	\$10,757.00	\$0.00	12/31/2023	N

### Actual Results

Completion of a WASCOB project as planned (project was co-funded with FY21 State Cost Share, FY22 State Cost Share, FY23 State Cost Share, and Federal Funds.

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	6.71	Lbs/Yr
Sediment (Tss)	5.83	Tons/Yr
Soil (Est. Savings)	10.41	Tons/Yr

Activity Action Name:	SCS2022-02	Activity Count: 2
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	Completion of a WASC OB project in Mulligan 17 as designed by NRCS. Two WASC OBs were installed. This project is co-funded with FY22 state cost share, FY23 state cost share, and federal EQIP funds.	Install Date: 12/13/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	10.41	Bwsr Calc (Gully Stabilization)	Little Cottonwood Watershed
Phosphorus (Est. Reduction)	Lbs/Yr	6.71	Bwsr Calc (Gully Stabilization)	Little Cottonwood Watershed
Sediment (Tss)	Tons/Yr	5.83	Bwsr Calc (Gully Stabilization)	Little Cottonwood Watershed