



Grant Workplan

Multipurpose Drainage Management 2017

Grant Title - Multipurpose Drainage Management - Greater Blue Earth River Basin Alliance

Grant ID - C17-3714

Organization - Greater Blue Earth River Basin Alliance

Grant Awarded Amount	\$301,200.00	Grant Execution Date	
Required Match Amount	\$75,300.00	Grant End Date	12/31/2019
Required Match %	25%	Grant Day To Day Contact	Kay Gross

Budget Summary

	Budgeted	Spent	Balance Remaining
Total Grant Amount	\$301,200.00	\$0.00	\$301,200.00
Total Match Amount	\$75,306.00	\$0.00	\$75,306.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$376,506.00	\$0.00	\$376,506.00

**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
Administration and Coordination	Administration /Coordination	Current State Grant	Multipurpose Drainage Management - Greater Blue Earth River ..	\$30,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Agriculture Structural Practices	Agricultural Practices	Current State Grant	Multipurpose Drainage Management - Greater Blue Earth River ..	\$105,000.00			N
Agriculture Structural Practices	Agricultural Practices	Federal Funds	Federal Funding Sources	\$11,662.00			Y
Agriculture Structural Practices	Agricultural Practices	Landowner Fund	Landowner Cash Contribution	\$11,662.00			Y
Agriculture Structural Practices	Agricultural Practices	Local Fund	Local Funding Sources	\$11,662.00			Y
Conservation Drainage Practices	Conservation Drainage	Current State Grant	Multipurpose Drainage Management - Greater Blue Earth River ..	\$121,000.00			N
Conservation Drainage Practices	Conservation Drainage	Federal Funds	Federal Funding Sources	\$13,440.00			Y
Conservation Drainage Practices	Conservation Drainage	Landowner Fund	Landowner Cash Contribution	\$13,440.00			Y
Conservation Drainage Practices	Conservation Drainage	Local Fund	Local Funding Sources	\$13,440.00			Y
Technical and Engineering	Technical/Engineering Assistance	Current State Grant	Multipurpose Drainage Management - Greater Blue Earth River ..	\$45,200.00			N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Bioreactors - Anticipated	PHOSPHORUS (EST. REDUCTION)	15 LBS/YR	10 County Drainage Ditch Authority Boundaries	Literature Value	
Grade Stabilization Structures - Anticipated	PHOSPHORUS (EST. REDUCTION)	12 LBS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Storage and Treatment Wetland Restoration - Anticipated	PHOSPHORUS (EST. REDUCTION)	2 LBS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Open Tile Inlet Replacements - Anticipated	PHOSPHORUS (EST. REDUCTION)	20 LBS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Water and Sediment Control Basins - Anticipated	PHOSPHORUS (EST. REDUCTION)	25 LBS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Grass Waterways - Anticipated	PHOSPHORUS (EST. REDUCTION)	10 LBS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Bioreactors - Anticipated	NITROGEN	1480 LBS/YR	10 County Drainage Ditch Authority Boundaries	Literature Value	
Saturated Buffers - Anticipated	NITROGEN	240 LBS/YR	10 County Drainage Ditch Authority Boundaries	Literature Value	
Storage and Treatment Wetland Restoration - Anticipated	NITROGEN	100 LBS/YR	10 County Drainage Ditch Authority Boundaries	Literature Value	

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Grade Stabilization Structures - Anticipated	SEDIMENT (TSS)	12 TONS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Storage and Treatment Wetland Restoration - Anticipated	SEDIMENT (TSS)	2 TONS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Open Tile Inlet Replacements - Anticipated	SEDIMENT (TSS)	20 TONS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Water and Sediment Control Basins - Anticipated	SEDIMENT (TSS)	25 TONS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	
Grass Waterways - Anticipated	SEDIMENT (TSS)	10 TONS/YR	10 County Drainage Ditch Authority Boundaries	BWSR CALC (GULLY STABILIZATION)	

Grant Activity

Grant Activity - Administration and Coordination	
Description	<p>Administration and Coordination of this project will be provided by the GBERBA Coordinators (Administrative, Technical and Financial). Administrative Coordinator will administer the FY2017 CWF Grant with duties to include E-link reporting, website updating and reporting documents as required by BWSR. Financial reporting will be completed by the Financial Coordinator using QuickBooks. Technical Coordinator will oversee the pollution reduction estimates needed for associated projects and help with technical assistance as requested. The Technical Coordinator will also work to develop a grant policy by which projects will be targeted and prioritized for funding.</p> <p>GBERBA staff are contracted employees so the grant will reflect the contracted hourly rates for the Coordinators which in 2017 is \$30.00 per hour.</p> <p>TOTAL GRANT FUNDING: \$30,000.00 TOTAL MATCH FUNDING: \$0.00</p>
Category	ADMINISTRATION/COORDINATION
Has Rates and Hours?	Yes

Grant Activity - Agriculture Structural Practices

Description	<p>Funds will be used to implement WASCObS, grassed waterways, and grade stabilization structures on priority 103E public drainage systems within the whole 10 GBERBA-member County extent (excluding areas within a watershed district). Public Drainage Systems must have a documented sediment or water quality concern. Documented concerns include, but are not limited to, an analysis, study, strategy, plan, engineer's report, engineer's preliminary survey report for a drainage system improvement, or other water quality analysis.</p> <p>Anticipated number of practices to be installed:</p> <ul style="list-style-type: none">-12 Grade Stabilization Structures-2 Grassed Waterways-5 WASCObS <p>TOTAL GRANT FUNDS: \$105,000.00 Grant funds will be disbursed at a maximum cost-share rate not to exceed 100%.</p> <p>TOTAL MATCH FUNDS: \$34,986.00 Matching funds will be contributed from various sources including EQIP, Federal Section 319 grant funds, landowner cash, local funds, and local drainage system funds. Federal Funding: \$11,662.00 Local Funding: \$11,662.00 Landowner Funding: \$11,662.00</p>
Category	AGRICULTURAL PRACTICES
Has Rates and Hours?	No

Grant Activity - Conservation Drainage Practices

Description	<p>Funds will be used to replace open tile intakes, and install saturated buffers, denitrifying bioreactors, and storage & treatment wetlands on priority 103E public drainage systems within the whole 10 GBERBA-member County extent (excluding areas within a watershed district). Public Drainage Systems must have a documented sediment or water quality concern. Documented concerns include, but are not limited to, an analysis, study, strategy, plan, engineer's report, engineer's preliminary survey report for a drainage system improvement, or other water quality analysis.</p> <p>Anticipated number of practices to be installed:</p> <ul style="list-style-type: none">-20 Alternative Tile Intakes-1 Storage & Treatment Wetland-2 Saturated Buffers-10 Denitrifying Bioreactors <p>TOTAL GRANT FUNDS: \$121,000.00 Grant funds will be disbursed at a maximum cost-share rate not to exceed 100%.</p> <p>TOTAL MATCH FUNDS: \$40,320.00 Matching funds will be contributed from various sources including EQIP, Federal Section 319 grant funds, landowner fund, local funds, and local drainage system funds.</p> <p>Federal Funds: \$13,440.00 Landowner Funds: \$13,440.00 Local Funds: \$13,440.00</p>
Category	CONSERVATION DRAINAGE
Has Rates and Hours?	No

Grant Activity - Technical and Engineering

Description	<p>Engineering assistance for this grant could be completed by several entities and areas as follows: County Drainage Authority Staff, Private Engineering Firms, Technical Service Area Staff, SWCD Staff and other qualified partners.</p> <p>The GBERBA Technical Coordinator will be working with participating Drainage Authorities to ensure qualified technical staff are utilized throughout the project.</p> <p>TOTAL GRANT FUNDING: \$45,200.00 GBERBA budgeted additional 20% of project funds for technical and engineering assistance.</p> <p>TOTAL MATCH FUNDING: \$0.00</p>
Category	TECHNICAL/ENGINEERING ASSISTANCE
Has Rates and Hours?	No

Grant Attachments

Document Name	Document Type	Description
2017 Competitive Grant	Grant Agreement	2017 Competitive Grant - Greater Blue Earth River Basin Alliance
Application	Workflow Generated	Workflow Generated - Application - 08/05/2016
Application Image	Grant	Multipurpose Drainage Management - Greater Blue Earth River Basin Alliance
Budget Worksheet	Grant	Multipurpose Drainage Management - Greater Blue Earth River Basin Alliance
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/14/2016
grantmap_16750_2016-07-22_05-45-30-AM.jpg	Grant	Multipurpose Drainage Management - Greater Blue Earth River Basin Alliance