



Grant Workplan Watershed Based Implementation JAN 2021

Grant Title - 2021 Metro Miss. River East - Vadnais Lake Area WMO

Grant ID - C21-9984

Organization - Vadnais Lake Area WMO

Original Awarded Amount	\$93,042.00	Grant Execution Date	
Required Match Amount	\$9,304.20	Original Grant End Date	12/31/2023
Required Match %	10%	Grant Day To Day Contact	Tyler Thompson
Current Awarded Amount	\$93,042.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining
Total Grant Amount	\$93,042.00	\$0.00	\$93,042.00
Total Match Amount	\$9,304.00	\$0.00	\$9,304.00
Total Other Funds	\$7,000.00	\$0.00	\$7,000.00
Total	\$109,346.00	\$0.00	\$109,346.00

**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
Cost Share Program Implementation	Urban Stormwater Management Practices	Current State Grant	Cost Share Program BMP Implementation	\$40,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Cost Share Program Implementation - Landowner Match	Urban Stormwater Management Practices	Landowner Fund	Cost Share Landowners	\$6,000.00			Y
Cost Share Program Implementation - Streambank & Shoreline Restorations	Streambank or Shoreline Protection	Current State Grant	2021 Metro Miss. River East - Vadnais Lake Area WMO	\$20,000.00			N
Subwatershed BMP Implementation	Urban Stormwater Management Practices	Current State Grant	2021 Metro Miss. River East - Vadnais Lake Area WMO	\$33,042.00			N
Technical & Engineering	Technical/Engineering Assistance	Local Fund	VLAWMO	\$3,304.00			Y
VLAWMO WBIF Grant Coordination	Administration /Coordination	Local Fund	VLAWMO	\$7,000.00			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
Cost Share Program Implementation	PHOSPHORUS (EST. REDUCTION)	0.3 LBS/YR	Lambert Creek, Goose Lake and Gem Lake subwatersheds	MIDS	

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Subwatershed BMP Implementation	PHOSPHORUS (EST. REDUCTION)	0.3 LBS/YR	GTBWA, Birch Lake and Goose Lake subwatershed	MIDS	

Grant Activity

Grant Activity - Cost Share Program Implementation	
Description	<p>VLAWMO will provide cost-share for installation of BMPs in accordance with VLAWMO’s Landscape Level 1 or Level 2 Cost Share program policies. Where VLAWMO’s local policies differ from BWSR standards, the provisions of the grant agreement shall prevail. Eligible practices include: rain gardens/infiltration basins, trenches, cisterns, green roofs; stormwater retention, media-enhanced filtration, or reuse; permeable paver or pavement projects. Projects will be targeted in the priority tier 1 Lambert Creek and Goose Lake, and tier 2 Wilkinson and Gem Lake subwatersheds.</p> <p>Practices will be designed in accordance with MN Stormwater Manual. NRCS FOTG or other accepted engineering standards, for a minimum 10-year effective life. Practices will be designed and certified by WMO staff, professional design technicians or engineers with appropriate technical approval authority to accepted engineering practice standards. Landowners will be responsible for the operation and maintenance of practices.</p> <p>The WMO will fund the construction of at least 1 BMP each year, with a total pollution reduction goal of 0.3 lbs of TP reduction annually. See annual milestones document in the grant attachments.</p>
Category	URBAN STORMWATER MANAGEMENT PRACTICES
Has Rates and Hours?	No

Grant Activity - Cost Share Program Implementation - Landowner Match

Description	Landowner or project partner monetary match contributions to approved Cost Share Program Level 1 or Level 2 grant projects, funded by the Cost Share Program BMP Implementation of urban stormwater management practices or streambank & shoreline restoration practices. See respective work plan activities for BMP and operations and maintenance requirements.
Category	URBAN STORMWATER MANAGEMENT PRACTICES
Has Rates and Hours?	No

Grant Activity - Cost Share Program Implementation - Streambank & Shoreline Restorations

Description	<p>VLAWMO will provide cost-share for installation of BMPs in accordance with VLAWMO's Landscape Level 1 or Level 2 Cost Share program policies. Where VLAWMO's local policies differ from BWSR standards, the provisions of the grant agreement shall prevail. Eligible practices include: shoreline or streambank restoration of actively-eroding banks, or obvious sedimentation downstream; gully erosion repair and permanent stabilization projects that affect or threaten WQ. Projects will be targeted in the priority tier 1 Lambert Creek and Goose Lake, and tier 2 Wilkinson and Gem Lake subwatersheds.</p> <p>Practices will be designed in accordance with MN Stormwater Manual. NRCS FOTG or other accepted engineering standards, for a minimum 10-year effective life. Practices will be designed and certified by WMO staff, professional design technicians or engineers with appropriate technical approval authority to accepted engineering practice standards. Landowners will be responsible for the operation and maintenance of practices.</p> <p>The WMO will fund the construction of at least 1 BMP each year, with a total pollution reduction goal of 0.3 lbs of TP reduction annually. See annual milestones document in the grant attachments.</p>
Category	STREAMBANK OR SHORELINE PROTECTION
Has Rates and Hours?	No

Grant Activity - Subwatershed BMP Implementation

Description	<p>The WMO will fund or construct a stormwater BMP project within the Gillfillan-Tamarack-Black-Wilkinson-Amelia subwatershed, Birch Lake subwatershed or Goose Lake subwatershed. If the project will be funded through the WMO's local policies, the provisions of the grant agreement will prevail where the WMO's local policies differ from BWSR standards. The project will be prioritized based on impact to water resources with completed subwatershed assessments or feasibility studies used to target the project. The BMPs may include raingardens, infiltration, tree trenches, media-enhanced filtration practices, bio-swales, permeable paver/pavement, or stormwater reuse. The implemented project will provide a reduction of at least 0.3 lbs of TP, annually.</p> <p>The project will be designed in accordance with MN Stormwater Manual or other accepted engineering standards for a minimum 10-year effective life. Project design and certification will be provided by a professional engineer. See annual milestones document in the grant attachments.</p> <p>The work plan may be revised upon determining whether VLAWMO is an LGU funding partner or the construction head of the project.</p>
Category	URBAN STORMWATER MANAGEMENT PRACTICES
Has Rates and Hours?	No

Grant Activity - Technical & Engineering

Description	<p>Technical and engineering costs for BMP project selection, design, construction oversight, and project certification. Subwatershed BMPs will be designed to the Stormwater Manual, NRCS FOTS, or other accepted engineering standards, for a minimum 10-year effective life. Cost Share BMP practices will be designed and certified by WMO staff or professional engineers with appropriate technical approval authority, with a minimum 10-year effective life. Landowners will be responsible for the operation and maintenance of practices for Cost Share-funded projects.</p> <p>Estimate of 40% PE, and 60% Technician. Practices will be designed and certified by WMO staff or professional technical staff or engineers with appropriate technical approval authority. VLAWMO will select a consultant engineer in accordance with LGU procedures.</p>
Category	TECHNICAL/ENGINEERING ASSISTANCE
Has Rates and Hours?	Yes

Grant Activity - VLAWMO WBIF Grant Coordination

Description	<p>Includes VLAWMO GIS Watershed Technician in-kind staff time. Activities include grant administration/coordination, reporting, project development, and WBIF grant fund implementation within VLAWMO's Cost Share Program, as well as the Subwatershed BMP implementation of WBIF. The GIS Watershed Tech. is the program manager of VLAWMO's Cost Share Program, overseeing all aspects of the Program. Management activities include: citizen site visits, grant application coordination, technical review, and approval recommendations to VLAWMO's Technical Commission & Board to meet VLAWMO's Cost Share Grant Program policies.</p> <p>Also includes VLAWMO Education & Outreach Coordinator in-kind staff time for Cost Share Program citizen workshops, flyers for Program advertising, social media postings, and project construction completion spotlights and surveys.</p>
Category	ADMINISTRATION/COORDINATION
Has Rates and Hours?	Yes

Grant Attachments

Document Name	Document Type	Description
2021 Watershed Based Implementation Funding	Grant Agreement	2021 Watershed Implementation Funding - Vadnais Lake Area WMO
Application	Workflow Generated	Workflow Generated - Application - 01/19/2021
C21-9987 VLAWMO WBIF Annual Milestones '21-'23	Grant	2021 Metro Miss. River East - Vadnais Lake Area WMO
VLAWMO LL2 Grant Agreement Example	Grant	2021 Metro Miss. River East - Vadnais Lake Area WMO
VLAWMO Landscape Level 1 Cost Share Guidance Policy	Grant	2021 Metro Miss. River East - Vadnais Lake Area WMO
VLAWMO Landscape Level 2 Cost Share Guidance Policy	Grant	2021 Metro Miss. River East - Vadnais Lake Area WMO
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/24/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/02/2021