

Grant All-Detail Report Accelerated Implementation Grant 2014

Grant Title - Miller Hill Mall Comprehensive Stormwater Management Plan **Grant ID -** C14-8316 **Organization -** St Louis, South SWCD

Grant Awarded Amount	\$186,475.00	Grant Execution Date	
Required Match Amount	\$46,618.75	Grant End Date	12/31/2016
Required Match %	25%	Grant Day To Day Contact	Kate Kubiak

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$186,475.00	\$41,598.47	\$144,876.53
Total Match Amount	\$47,000.00	\$14,229.00	\$32,771.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$233,475.00	\$55,827.47	\$177,647.53

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

Budget Details

						Last	
	Activity					Transaction	Matching
Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Date	Fund
Conduct soil borings	Technical/Engi neering Assistance	Current State Grant	Miller Hill Mall Comprehensive Stormwater Management Plan	\$15,000.00	\$1,533.00	12/5/2014	N
Data Analysis / Plan Development	Project Development	Current State Grant	Miller Hill Mall Comprehensive Stormwater Management Plan	\$79,985.00	\$23,387.00	12/5/2014	N

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						Last	
	Activity					Transaction	Matching
Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Date	Fund
Design Public Education Elements	Education/Info	Current	Miller Hill Mall Comprehensive	\$24,000.00	\$585.00	12/5/2014	N
	rmation	State Grant	Stormwater Management Plan				
Design Team Planning Meetings	Project	Current	Miller Hill Mall Comprehensive	\$30,635.00	\$3,484.97	12/5/2014	N
	Development	State Grant	Stormwater Management Plan				
Design/Planning Meetings - SWCD	Project	Local Fund	Katie and Kate time - meetings	\$1,000.00	\$830.00	1/21/2015	Υ
and Mall staff	Development						
Grant Administration	Administration	Local Fund	SWCD staff time	\$6,000.00	\$1,250.00	1/21/2015	Υ
	/Coordination						
Perform topo survey of entire site	Technical/Engi	Local Fund	SWCD / TSA / City staff time	\$10,000.00	\$9,715.00	10/31/2014	Υ
including the location of all public	neering		and survey use, CAD design				
and private utilities	Assistance						
Produce Deliverables	Project	Current	Miller Hill Mall Comprehensive	\$20,355.00			N
	Development	State Grant	Stormwater Management Plan				
Publicity	Education/Info	Local Fund	staff time - Board and RSPT	\$1,000.00			Υ
	rmation		plan presentation				
SWCD contribution to design public	Education/Info	Local Fund		\$4,000.00			Υ
education elements	rmation						
SWCD contribution to plan	Planning and	Local Fund		\$4,000.00			Υ
development	Assessment						
Stormwater Management Plan Data	Monitoring/Da	Current	Miller Hill Mall Comprehensive	\$10,500.00	\$10,490.50	6/13/2014	N
Collection	ta Collection	State Grant	Stormwater Management Plan				
Temperature monitoring on existing	Monitoring/Da	Local Fund	SWCD staff time - research,	\$10,000.00	\$2,434.00	9/30/2014	Υ
storm water structures	ta Collection		monitoring, procedures				
Temperature monitoring on existing	Monitoring/Da	Current	Miller Hill Mall Comprehensive	\$6,000.00	\$2,118.00	7/18/2014	N
storm water structures - consultant	ta Collection	State Grant	Stormwater Management Plan				
and equipment.							
Update Miller Creek Implementation	Regulations/Or	Local Fund	SWCD staff time	\$1,000.00			Υ
Plan to include stormwater plan	dinances/Enfor						
elements	cement						
plan development	Planning and	Local Fund	WALMART SEP funds	\$10,000.00			Υ
	Assessment						

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Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Size / Unit

Indicators Summary

illulcator Name Total Value Offic		Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - Conduct soil bo	prings		
Description	This work will be conducted by a subcontractor points across the Mall's parking lot in likely predepth to bedrock.	•	•
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	2-Jun-14	End Date	
Rates and Hours			
Actual Results	Aug 1/2014: Initial investigation into Soil bori physical soil borings.	ngs was started. Feb1 2015: existing availa	able data may eliminate the need for

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Grant Activity - Data Ana	lysis / Plan Development		
Description		I by a consultant. They will research options to onds) for improvement opportunities; conduct	reduce temperature (Lit Review); study existing modeling (using HydroCAD); and do cost
Category	PROJECT DEVELOPMENT		
Start Date	5-May-14	End Date	
Rates and Hours			
Actual Results		ras completed. Survey and temperature monit kisting BMPs were delineated.	oring memos and discussions were completed.

Grant Activity - Design Public Ed	lucation Elements		
Description	The consultant will investigate and incorporate management plan. Based on discussions with in the mall regarding the proximity and feature highlights the connection(s) between comme	Mall management, this could include pub res of Miller Creek and a central water feat	lic art relating to watersheds, displays ture (fountain) in the mall that
Category	EDUCATION/INFORMATION		
Start Date	1-Sep-14	End Date	
Rates and Hours		_	
Actual Results	Feb 1 2015: Consultant started researching po an emphasis on Miller Creek and trout habita		lld be incorporated into the mall with

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Grant Activity - Design Team Pla	nning Meetings		
Description	This funding will cover time to prepare and ho	old design team planning meetings that wi	ll be coordinated by the consultant.
Category	PROJECT DEVELOPMENT		
Start Date	15-Apr-14	End Date	
Rates and Hours		_	
Actual Results	Aug 1/2014: Project was officially launched during this reporting period. Mall Mgmt., Consultants and SWCD/TSA staff met		
	several times to go over the beginning parts of the plan/planning process. Feb 1 2015: Two planning meetings were held		
	during this reporting period, one to discuss th	e upcoming survey data collection and one	e to discuss 2015 activities.

Grant Activity - Design/Planning	ing Meetings - SWCD and Mall staff			
Description	This funding is the match time provided by SV	VCD staff and Mall staff for their participat	ion in the design team meetings, and	
	other coordination / plan development meeti	ngs between the SWCD, the Mall and a co	nsultant.	
Category	PROJECT DEVELOPMENT			
Start Date	1-May-14	End Date		
Rates and Hours		-		
Actual Results	Aug 1/2014: SWCD and Mall staff participated	l in all meetings coordinated by the consul	tant during this period. Feb 1 2015:	
	SWCD and Mall staff participated in all meeting	ngs during this period.		

Grant Activity - Grant Administration				
Description	SWCD staff time for grant budgeting, invoicing a consultant and grant reporting.			
Category	ADMINISTRATION/COORDINATION			
Start Date	1-May-14 End Date			
Rates and Hours				
Actual Results	Aug 1/2014: Grant admin and reporting began as required during this period.			
	Feb 1 2015: Grant reporting and budgeting co	ntinued as needed.		

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Grant Activity - Perform topo	survey of entire site including the loc	cation of all public and private utilities	S	
Description	the use of our Trimble R10 surve	This funding will cover the engineering tech's time from TSA #3, SWCD staff time assisting and the monetary equivilent for the use of our Trimble R10 survey equipment to acquire detailed topographic survey data on the entire site. Assistance from the City may also be needed to locate underground utilities. This data will inform BMP selections and designs and will help determine drainage pattern(s).		
Category	TECHNICAL/ENGINEERING ASSIST	TANCE		
Start Date	9-Jun-14	End Date		
Rates and Hours				
Actual Results	Aug 1/2014: SWCD/TSA staff discussed survey approach with consultant and began surveying the site during this period. Feb 1 2015: SWCD staff completed the survey of the mall parking lot, with direction from the consultant, in the late summer of 2014. Photos, sketches, elevations and other relevant data were collected and provided to the consultant, who will use the data to inform the stormwater management plan.			

Grant Activity - Produce Delivera	ables		
Description	This task will be completed by a Consultant - It will include the determination of Recomm with Figures, Cross Sections and cost estimate		ng options and writing the plan/report
Category	PROJECT DEVELOPMENT		
Start Date	2-Mar-15	End Date	
Rates and Hours Actual Results			

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Grant Activity - Publicity			
Description	This funding will cover SWCD time in preparing Protection Team, the MN Erosion Control Assonewsletters regarding the progress of the proj	ociation and other interested groups) and	
Category	EDUCATION/INFORMATION		
Start Date	1-May-15	End Date	
Rates and Hours Actual Results			

Grant Activity - SWCD contribution to design public education elements			
Description	These funds will cover the SWCD staff time co	ntribution to researching and designing ar	nd integrating potential public
	education displays into the Mall's floor plan and design. This will be done in cooperation with the consultant.		
Category	EDUCATION/INFORMATION		
Start Date	1-May-14	End Date	
Rates and Hours			
Actual Results			

Grant Activity - SWCD contribution to plan development			
Description	These funds will cover the SWCD staff time contribution to the development of the stormwater management plan in cooperation with the consultant.		
Category	PLANNING AND ASSESSMENT		
Start Date	30-Apr-14	End Date	
Rates and Hours Actual Results			

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Grant Activity - Stormwater Management Plan Data Collection				
Description	This work will be conducted by a Consultant. Includes the following tasks:			
	Review Storm sewer maps;			
	Review Mall blueprints;			
	Examine Roof plans;			
	Locate Utility easements;			
	Review area LiDAR;			
	Review available CAD files;			
	Review Mall utility plans;			
	Compile and review Information on outlot businesses;			
	Review Maintenance records/ monitoring on the sand filters;			
	Examine As-builts for sand filters, pond and outlots;			
	Identify Property lines.			
Category	MONITORING/DATA COLLECTION	MONITORING/DATA COLLECTION		
Start Date	1-May-14 End Date 01-Aug-14			
Rates and Hours				
Actual Results	Aug 1/2014: This task is essentially complete and the budgeted amount spent. All available and legible mall and city utility			
	maps, as-builts from the mall's original constru	uction, and aerials and topo maps were co	ollected, analyzed and digitized.	

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Grant Activity - Temperature	e monitoring on existing storm v	vater structures		
Description	on the site. This task will in SWCD to learn their meth	This funding covers SWCD staff time to Monitor the temperature of inflow vs. outflow through existing sand filters and ponds on the site. This task will include researching an appropriate methodolgy; a trip down to vermillion river / Dakota County SWCD to learn their methodology from a 2012 study; and general research. The data from this task will let project partners know if the existing BMPs are currently providing any temperature mitigation.		
Category	MONITORING/DATA COLL	MONITORING/DATA COLLECTION		
Start Date	1-May-15	End Date		
Rates and Hours				
Actual Results	method, deployed loggers completed by SWCD staff	Aug 1/2014: During this period, SWCD staff purchased temperature loggers and assoc. software, identified deployment method, deployed loggers and conducted first round of data collection. Feb 1/2015: The temperature monitoring was completed by SWCD staff with advice and direction from the consultant during the summer of 2014. The data will be used by the consultant to determine the current temp mitigation capacity of the existing BMPs.		

Grant Activity - Temperature monitoring on existing storm water structures - consultant and equipment.			
These funds will cover the equipment, (potential) limited excavation work and compensation for an additional consultant to			
· · · ·	assistance from the Vermillion River Joint Powers Board/Dakota SWCD, as they conducted a similar study in 2012.		
MONITORING/DATA COLLECTION			
30-Jun-14	End Date	30-Sep-14	
	-		
Aug 1/2014: purchased 6 temp loggers and assoc software. worked with consultant to identify correct monitoring procedure. Feb 1/2015: The temperature monitoring was completed by SWCD staff with advice and direction from the consultant during the summer of 2014. The data will be used by the consultant to determine the current temp mitigation capacity of the			
	These funds will cover the equipment, (potential assist SWCD staff with completing the temperassistance from the Vermillion River Joint Power Monitoring/Data Collection 30-Jun-14 Aug 1/2014: purchased 6 temp loggers and assistance from the Vermillion River Joint Power Monitoring was Feb 1/2015: The temperature monitoring was	These funds will cover the equipment, (potential) limited excavation work and compens assist SWCD staff with completing the temperature monitoring on the existing sand filter assistance from the Vermillion River Joint Powers Board/Dakota SWCD, as they conduct MONITORING/DATA COLLECTION 30-Jun-14 End Date Aug 1/2014: purchased 6 temp loggers and assoc software. worked with consultant to identify the summer of 2014. The data will be used by the consultant to determine the current to the summer of 2014. The data will be used by the consultant to determine the current to the summer of 2014.	

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Grant Activity - Update Miller Creek Implementation Plan to include stormwater plan elements				
Description	that are listed in the complete the mall property is located ne	These funds will cover SWCD and MS4 staff time to update the Miller Creek (TMDL) Implementation Plan to include BMPs that are listed in the completed storm water management plan. Implementation plans can be continually updated and since the mall property is located near the stretch that exhibited the highest number of temperature exceedances, it would be important to include the information from the completed plan into the Implementation Plan.		
Category	REGULATIONS/ORDINANCES/E	NFORCEMENT		
Start Date	1-Sep-15	End Date		
Rates and Hours Actual Results				

Grant Activity - plan developr	nent
Description	This is local cash in the form of Supplemental Environmental Funding that will pay for \$10,000 of consultant costs for plan development.
Category	PLANNING AND ASSESSMENT
Start Date	1-May-14 End Date
Rates and Hours	
Actual Results	

Grant Attachments

Document Name	Document Type	Description
2014 Competitive Grant	Grant Agreement	2014 Competitive Grant - St Louis, South SWCD
2014 Competitive Grant executed	Grant Agreement	2014 Competitive Grant - St Louis, South SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/20/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/29/2014
Application	Workflow Generated	Workflow Generated - Application - 10/04/2013
Consultant_Invoice_1	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan
Consultant_Invoice_2	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan
Consultant_Invoice_3	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan

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Document Name	Document Type	Description
Invoice_2_temp_loggers	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan
Miller Hill Mall Survey Notes	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan
MillerHill_SSLSWCD	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan
MillerHill_SSLSWCD	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan
SR_loc_10455.jpg	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/23/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/19/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/31/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/31/2014
grantmap_10455_2013-10-03_08-21-10-AM.jpg	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan
invoice_1_temp_loggers	Grant	Miller Hill Mall Comprehensive Stormwater Management Plan

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