



Grant All-Detail Report Projects and Practices 2014

Grant Title - Quarry Creek Collaborative

Grant ID - C14-8172

Organization - Scott County

Grant Awarded Amount	\$800,000.00	Grant Execution Date	
Required Match Amount	\$200,000.00	Grant End Date	12/31/2016
Required Match %	25%	Grant Day To Day Contact	Paul Nelson

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$800,000.00	\$597,899.21	\$202,100.79
Total Match Amount	\$400,000.00	\$344,934.01	\$55,065.99
Total Other Funds	\$800,000.00	\$582,860.91	\$217,139.09
Total	\$2,000,000.00	\$1,525,694.13	\$474,305.87

**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
Construction and Construction Supervision	Streambank or Shoreline Protection	Current State Grant	Quarry Creek Collaborative	\$677,180.00	\$475,079.21	12/31/2015	N
Construction and Construction Supervision	Streambank or Shoreline Protection	Local Fund	Scott WMO and Scott Hwy	\$322,820.00	\$217,309.40	12/31/2015	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Construction and Construction Supervision	Streambank or Shoreline Protection	Other State funds not in eLINK	DOT 2014 Bonding Disaster Funds	\$800,000.00	\$582,860.91	12/31/2015	N
Final Design Permitting and Bidding	Technical/Engineering Assistance	Current State Grant	Quarry Creek Collaborative	\$122,820.00	\$122,820.00	12/31/2015	N
Final Design Permitting and Bidding	Technical/Engineering Assistance	Local Fund	Scott WMO and Scott Hwy	\$54,380.00	\$109,191.64	12/31/2015	Y
Project Development, Management, and Reporting	Administration /Coordination	Local Fund	Scott WMO	\$22,800.00	\$18,432.97	12/31/2015	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
410 - Grade Stabilization Structure	25	0	2400 COUNT	0 COUNT
584 - Stream Channel Stabilization	4	0	1350 LINEAR FEET	0 LINEAR FEET
584 - Stream Channel Stabilization	2	0	850 LINEAR FEET	0 LINEAR FEET

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Construction and Construction Supervision	SEDIMENT (TSS)	611 TONS/YR	Minnesota River	Other	Value mid-point of range from RUSLE and bank regression rates) in feas study, available on request.

Final Indicators Summary

Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - Construction and Construction Supervision

Description

This activity includes constructing the improvements.

The application stated that the Phase 1 preliminary design included stabilizing 2 nick points, 800 to 1,000 feet of channel armoring, 10 to 15 rock riffles, diverting runoff, 3 to 4 level control weirs, 300 to 500 feet of turf reinforced mat, and 1 to 2 sediment/detention ponds. However, the application (as part of question 4) also stated that a decision on how to break the project Phases will be made as part of the 30% design and will be based on cost, access, maximizing benefit and land owner acceptability; and the completion of the 30% design and subsequent final design may modify details. Activity details and quantities included in the Work Plan reflect updated Phasing based on draft 30% designs. In addition, the County is submitting to the MPCA for a Nonpoint Source Loan through the Clean Water Partnership program in June of 2014. If successful this will allow completion of the entire project in 2015 without the need for phases.

With completion of the draft 30% design it is now anticipated that engineering will be completed and the project bid in early 2015 such that construction can be awarded and initiated the summer of 2015. This schedule holds whether the project is phased or if the loan application is successful and the entire project is advanced. Final seeding will be completed fall of 2015 and spring of 2016.

Project assurance includes design elements, construction supervision, and easements or agreements with land owners allowing access and maintenance for at least the design life of the improvements.

Note title of activity is wrong. System would not let us change the Activity Name. Activity name should now be just Construction.

November 2015 added separate budget amount to reflect funding from the 2015 special leg session to DOT in the form of bonding for disaster relief (for details see attachment in e-mail of e-mail correspondence between Mary Peterson and Paul Nelson).

Category

STREAMBANK OR SHORELINE PROTECTION

Start Date

1-Jun-15

End Date

30-Jun-16

Has Rates and Hours?

No

Actual Results

December 31, 2015. Easements were acquired and construction was initiated late October. As of the end of the year construction is 79% complete. Remaining items include: finishing the detention basin, additional rip-rap placement, and touch up grading and seeding, and then vegetation maintenance for an additional two years.

Activity Action - Check Dams			
Practice	410 - Grade Stabilization Structure	Count of Activities	25
Description	Size of check dams varies depending on location and grade. Typical size planned is about 20 ft long x 30 ft wide x 4 ft high (2400 cf)		
Proposed Size / Units	2,400.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	

Activity Action - Armoured Channel			
Practice	584 - Stream Channel Stabilization	Count of Activities	2
Description	Two sections of armoured channel are planned. One is 300 feet in length. The other is 530 fet.		
Proposed Size / Units	850.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	LINEAR FEET	Installed Date	

Activity Action - Turf Reinforced Mat			
Practice	584 - Stream Channel Stabilization	Count of Activities	4
Description	4 areas using turf reimforced mat are planned. Three area are about 100 ft long and one is about 1, 050 inear feet		
Proposed Size / Units	1,350.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	LINEAR FEET	Installed Date	

Grant Activity - Final Design Permitting and Bidding

<p>Description</p>	<p>This activity consists of taking the 30% design package completed in early 2014 and completing final design and specifications. As of June 19, 2014 a County Disaster was declared covering this area. Prolonged and heavy rainfalls have caused significant additional damage in the ravine and to County Road 6. It is likely that much of the surveying and design that has been completed to date will need for be re-done. As of 6/30/2014 the full magnitude of the damage is unknown. With respect to design performance standards to be used are as follows: 1) concepts are based on Feasibility Study by Barr Engineering completed in 2013; 2) the use of industry design standards and commonly accepted design storms for channel improvements, grade control and detention basins that will a) prohibit or minimize hydraulic undercutting, b) minimize the risk of overtopping; and 3) if a multi-phased approach is used, design features of the first phase will be considered in the context of the entire project.</p> <p>It also includes pulling together the bid package, advertising and awarding the bid(s). Permitting and any necessary environmental review efforts are also part of this activity. Both a DNR Waters and NPDES construction permit will be required. Several meetings are also included with DNR as part of the Scope of Work executed with BARR Engineering for the 30% design. The purpose of these meetings is to work together on design objectives and design criteria. It is anticipated that the Waters Permit will be applied for in early 2015. The NPDES construction permit will be applied for when the project is bid and contractor selected - early summer 2015. USACOE Wetland and WCA permitting (if required) will occur concurrently with the DNR Waters permitting early 2015. Construction supervision is also a part of this activity and will occur as local match cost by the County with assistance as needed from the design engineer.</p>		
<p>Category</p>	<p>TECHNICAL/ENGINEERING ASSISTANCE</p>		
<p>Start Date</p>	<p>5-May-14</p>	<p>End Date</p>	<p>31-May-15</p>
<p>Has Rates and Hours?</p>	<p>No</p>		
<p>Actual Results</p>	<p>No grant eligible work was completed during the second half of 2014. Efforts consisted of assessing the damage, re-surveying, meeting with land owners, and re-doing the 30% design. This was completed at the SCott WMOs expense. As of the end of 2014 a revised draft 30% design memo and plans have been completed and are expected to be finalized January 2015. Work after that will become grant eligible.</p> <p>December 31, 2015. Final design was completed in September, and the project was bid. The County Board awarded the bid October 20, 2015. Environmental review, permitting and easement descriptions were also completed. Construction supervision is being provided by the County Highway Department staff and staff from the County Environmental Services Program. Barr Engineering as the design engineer has also been retained consultation support during construction.</p>		

Grant Activity - Project Development, Management, and Reporting

Description	This activity includes developing and managing the project, contracting for engineering and construction, working with land owners regarding easement dedication, citizen engagement, tracking the budget, and managing internal county decision processes and approvals. This activity will be completed by County Staff as part of the local match cost.		
Category	ADMINISTRATION/COORDINATION		
Start Date	5-May-14	End Date	30-Sep-16
Has Rates and Hours?	No		
Actual Results	December 31, 2015. General project and financial management was completed as part of this task. It also included a number of meetings between staff and landowners to negotiate easements.		

Grant Attachments

Document Name	Document Type	Description
2014 Competitive Grant	Grant Agreement	2014 Competitive Grant - Scott County
2014 Competitive Grant executed	Grant Agreement	2014 Competitive Grant - Scott County
2015QC Financial Report ELINK	Grant	Quarry Creek Collaborative
AC02 - QC No_Dec 2015.xls	Grant	Quarry Creek Collaborative
Access through channel photo	Grant	Quarry Creek Collaborative
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/17/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/04/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/30/2015
Application	Workflow Generated	Workflow Generated - Application - 10/03/2013
CSWQC01 Activity Report 3rd Qrt 2015.xls	Grant	Quarry Creek Collaborative
Changes to Quarry Creek Project Work Plan and Reports	Grant	Quarry Creek Collaborative
Changes to Work Plan	Journal	Journal Dated - 11/12/2015
Checkdam in action photo	Grant	Quarry Creek Collaborative
EAW Attachment M	Grant	Quarry Creek Collaborative
EAW Attachments A-C	Grant	Quarry Creek Collaborative
EAW Attachments D-L	Grant	Quarry Creek Collaborative
EAW Attachments N-Q	Grant	Quarry Creek Collaborative
EAW Attachments R-V	Grant	Quarry Creek Collaborative

Document Name	Document Type	Description
Extension Approval Work Plan Submittal	Journal	Journal Dated - 03/14/2014
Hydroseed and TRM mat photo	Grant	Quarry Creek Collaborative
Hydroseed photo	Grant	Quarry Creek Collaborative
Pipe outlet riprap photo	Grant	Quarry Creek Collaborative
Quarry Creek EAW	Grant	Quarry Creek Collaborative
Quarry Creek EAW Decision	Grant	Quarry Creek Collaborative
Quarry Creek Final Approved Plans	Grant	Quarry Creek Collaborative
Quarry Creek Grant Through June 2015.xls	Grant	Quarry Creek Collaborative
Quarry Creek.tif	Grant	Quarry Creek Collaborative
Riprap channel	Grant	Quarry Creek Collaborative
SR_loc_10016.jpg	Grant	Quarry Creek Collaborative
Scott WMO drainage & utility easement for Blakeley Trail project.pdf	Grant	Quarry Creek Collaborative
Scott WMO temporary construction easement.pdf	Grant	Quarry Creek Collaborative
Sheetpile structure photo	Grant	Quarry Creek Collaborative
Specifications	Grant	Quarry Creek Collaborative
TRM mat	Grant	Quarry Creek Collaborative
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/30/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 06/26/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 05/27/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/23/2014
grantmap_10016_2013-10-03_09-20-23-AM.jpg	Grant	Quarry Creek Collaborative