Colorado Watershed Restoration Program
Scope of Work
Update: November 10, 2009
Trail Creek River Restoration Initiative

Contact

Carol Ekarius, Executive Director
Coalition for the Upper South Platte
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Summary

As discussed with CWCB staff, an opportunity has arisen through a new program of the National Forest Foundation and Vail Resorts in partnership with the USFS and CUSP. We wish to incorporate CWCB Watershed Restoration funding into the broader scope that this funding represents. In light of the extreme flooding and erosion events in the greater Horse Creek drainage in July of this year, CUSP believes that the need for a broader landscape approach to rehab in the burned area is clear.

This document describes a new phased approach, and plans for use of Watershed Restoration funds based on that approach.

One of the most exciting aspects of this new opportunity is that CUSP will be working with Dave Rosgen of Wildland Hydrology to assess the entire Horse Creek, Trout Creek, West Creek and Trail Creek drainages, which feed into the mainstem of the South Platte below Deckers, and which has continued to suffer from severe erosion events following the 2002 fire year. We will also have Pete Gallagher of Fin-Up Habitat Consultants, who was originally contracted to do restoration work under this grant, and Dana Butler, hydrologist for the Pike National Forest, working with Rosgen on the Watershed Assessment of River Stability and Sediment Supply (WARSSS). This will provide greater institutional capacity in our watershed, as Gallagher does a great deal of work here, and Butler is our key contact on projects with the USFS.

Our new plan is:

1. In Phase 1 (late 2009 through summer 2010), Rosgen will perform the Reconnaissance level assessment (RLA) and Rapid Resource Inventory for Sediment Consequence (RRISC) on the entire Horse Creek watershed (see Rosgen's attached proposal).
2. During the RLA and RRISC, Rosgen, CUSP, and USFS personnel will identify specific sites where there is good opportunity for improving "upland stability" within 300 yards of the creek and its riparian area, including undertaking such efforts as:
   a. Planting trees, grasses, and shrubs to reduce runoff rate and soil movement.
   b. Fence out non-authorized and social access areas from off-highway-vehicle (OHV) users, who are causing continuing disturbance with resulting vegetation failure and erosion.
   c. Install erosion control along existing road banks, which are directly adjacent to the stream in numerous areas, using rock and filter fabric.

   These efforts will be associated with Phase 1, and will be implemented during the spring/summer/fall of 2010.
3. Based on Phase 1 assessment output, CUSP, Rosgen, and our cooperators will sit down and review the large watershed to identify site- and process-specific sediment budgets, which will be used to prioritize subdrainages for work.
4. Once prioritized, Phase 2 planning begins (late summer 2010 through winter 2011) with implementation slated for 2011 and 2012. The first step of Phase 2 for the highest priority area(s) will be for Rosgen to perform a prediction level assessment (PLA), which is the first step in his design process. Based on the data developed in the PLA Rosgen will design implementable components for a larger scale project within riparian and river corridors, which will include: In stream, we will make improvements, such as:
   d. Deepening pools to provide better overwintering, spawning and feeding habitat.
   e. Using in-stream structures, such as j-hook veins, cross-weirs, and large woody debris to create habitat, redistribute substrate materials to reduce channel width, and stabilize bank structures.
   f. Improving riparian stability through the planting of willow, sedge, and other riparian species.

Budget

Our proposal is for all funding from this year's Watershed Restoration grant to be used in Phase 1 assessment and implementation, during 2009/2010.

ITEM	CWRP Funding	NFF	USFS In-Kind Support	Other CUSP Funds	Total
Personnel Totals:	**$20,000.00**	**$20,000.00**	**$12,000.00**	**$53,000.00**	**$105,000.00**
Project planning	$3,500.00	$3,500.00	$3,000.00	$0.00	$10,000.00
NEPA Prep	$0.00	$0.00	$4,000.00	$2,000.00	$6,000.00
Implementation upland projects (plantings, fiber matts, rock placement on banks, etc.)	$12,500.00	$12,500.00	$2,000.00	$50,000.00	$77,000.00
Monitoring	$4.000.00	$4,000.00	$3,000.00	$1,000.00	$12,000.00
Travel Totals:	**$3,000.00**	**$1,500.00**	**$2,000.00**	**$2,000.00**	**$8,500.00**
CUSP Staff & Equipment	$3,000.00	$1,500.00	$0.00	$0.00	$4,500.00
Other Staff	$0.00	$0.00	$2,000.00	$2,000.00	$4,000.00
Supplies Totals:	**$10,500.00**	**$10,500.00**	**$0.00**	**$4,000.00**	**$25,000.00**
Rock	$2,500.00	$5,000.00	$0.00	$0.00	$7,500.00
Jute matt	$2,500.00	$1,000.00	$0.00	$0.00	$3,500.00
Willlow/sedge/seed	$5,500.00	$4,500.00	$0.00	$2,000.00	$9,500.00
Contractual Totals:	**$16,500.00**	**$16,500.00**	**$0.00**	**$2,000.00**	**$35,000.00**
NOTE: Rosgen contract plus Fin-Up contract					
OVERALL Project Totals:	**$50,000.00**	**$48,500.00**	**$14,000.00**	**$61,000.00**	**$173,500.00**

Note: Other CUSP funds are expected to come from contributions from Douglas County, Teller County, Denver Water and other CUSP members and value of volunteers.

Time Line

ITEM	Jul-09	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Planning/design for Phase 1																		
NEPA Phase 1																		
Upland projects: fencing, planting, rockwork, etc																		
Final Project Report for this grant																		

Note: USFS has a dedicated staff person to do the NEPA for this project.

Initial Screening Levels for Watershed Assessment of River Stability and Sediment Supply (WARSSS) for the Horse Creek watershed, Hayman burn.

By

Wildland Hydrology

Dave Rosgen, P.H., Ph.D
Brandon Rosgen, hydrologist
Lela Chavez, hydrologist (previously on Pike San Isabel NF)
Fort Collins, Colorado
970-568-0002

The WARSSS assessment of the Horse Creek watershed is proposed to be implemented in order to quantify various sediment source areas related to hillslope, hydrology and channel processes as influenced by the Hayman fire. This effort will be coordinated with the Pike San Isabel National Forest hydrologist, Dana Butler. The Reconnaissance level assessment (RLA) and the Rapid Resource Inventory for Sediment Consequence (RRISC) are proposed to be implemented using the WARSSS assessment methodology associated with the Hayman fire effects on the Horse Creek watershed.

These assessments are implemented to evaluate the initial screening of hillslope, hydrology and channel processes potentially contributing disproportionate sediment supply and associated river impairment. The screening levels will specify sub-drainages and/or hillslope processes where the prediction level assessment (PLA) will be prioritized for specific locations for later implementation.

The application of both the RLA and the RRISC assessment levels are to consistently and specifically identify high risk sites for prioritization proposed to be implemented in order to quantify various sediment source areas related to hillslope, hydrology and channel processes as influenced by the Hayman fire. The application of the RLA and the RRISC are implemented to initially provide a general assessment of the entire watershed to identify and locate potential accelerated sediment supply due to processes of roads, surface erosion, mass erosion, channel source sediment and potential streamflow changes. The information generated from these more generalized assessments will eventually lead to a site- and process-specific sediment budget from a PLA determination associated with the Hayman fire burned area proposed stream channel rehabilitation/restoration plan. This proposal involves a detailed description and summary of each of the WARSSS assessment levels are contained in Rosgen, (2006).

The application of the initial RLA level involves using existing resource data including timber stand inventory, slope data (GIS), recent aerial photography, soils and geology maps, water quality data, road inventories and other related data. Much of this data is presently available from the Pike-San Isabel NF and will be directly used. Previous

research results on erosional/sediment research in the area including the Intermountain and Rocky Mountain Forest and Range Experiment Station as well as Colorado State University and the US Geological Survey research reports will also be utilized.

The assessment will also attempt to determine effectiveness or lack of such of ongoing rehabilitation work in the watershed by various entities including work on roads, drainage crossings and channels.

The first two assessment levels are designed to screen out those hillslopes, subdrainages and channel networks that are not contributing a disproportional sediment yield or water resource and channel impairment. Those areas identified as moderate to high risk will be analyzed at a high level of resolution at the prediction level assessment (PLA).

Data requirements:

Soil types
Vegetative cover
Acreage of each sub-drainage burned
Timber stand inventory of remaining unburned stand
Recent aerial photographs
Topographic maps
Inventory existing information (streams, soils, roads, precipitation, streamgage data, water quality, sediment, erosion, etc.
Post-fire study results
Road densities/locations/road problems
Channel debris
Riparian condition
Mapping and field checks of stream types (stream classification)
Assessing post-fire rehabilitation work
Use outline in WARSSS for plan of attack.
Analysis of existing and new data by subdrainage and river reaches. Need to do a drainage delineation of sub-drainages (2nd or3rd order)

Budget:

RLA (Rosgen, Rosgen and Chavez)	= $7,500
RRISC (Rosgen, Rosgen and Chavez)	= $ 20,000
Subtotal estimated cost	$ 27,000
Travel and per diem costs (10%)	3,000
Total	$ 30,000

This budget assumes that aerial photographs and forest inventory information will be available and that Dana Butler with the Forest Service will be available to assist in the

WARSSS effort.

The EPA has accepted the WARSSS methodology for national application for clean sediment TMDL's for 303D listed streams. This is due its pro-active approach that identifies site-specific and process-specific mitigation/restoration to offset river impairment due to sediment and stability issues. The methodology is on the EPA's national web page.

If the reviewer needs to see the results of a typical WARSSS assessment including the RLA and RRISC, a case study example (Wolf Creek, Colorado) is included in Chapter 7 in WARSSS (Rosgen, 2006). There is a detailed chapter (6) in WARSSS that also describes monitoring protocols that may help guide future Forest Service efforts.

The results of this assessment are the key requirements to develop a mitigation, rehabilitation/restoration and monitoring plan for the Horse Creek watershed.

Rosgen, D.L. Watershed Assessment of River Stability and Sediment Supply (WARSSS).Wildland Hydrology Books, Ft. Collins, Colo.

Proposals for Conducting a Prediction Level Assessment (PLA) as Part of a WARSSS Assessment and preparing a Conceptual Stream Restoration Plan for Trail Creek (Phase II) and a Detailed Stream Restoration Plan for Trail Creek (Phase III)

By

Dave Rosgen, P.H., Ph.D
Wildland Hydrology
Ft. Collins, Colo.
970-568-0002

June 14, 2010

Introduction

Based on the impacts of the Hayman burn (2003) and subsequent cumulative land uses of roads, timber harvest and recreation, disproportionate amounts of accelerated sediment yield and channel impairment has occurred. Following a RLA and RRISSC analysis, it was determined that Trail Creek, a very high risk watershed for sediment supply and channel impairment, would advance to the Prediction Level Assessment (PLA). The PLA provides quantitative data on sediment yield for: a) Hillsope processes (where evident); b) Hydrology changes; and c) Channel processes. These various process address delivered sediment and/or channel impairment from surface erosion, mass wasting, roads, streambank erosion, flow related sediment increases, stream degradation/aggradation, channel enlargement and gully erosion.
An additional objective of this proposed assessment is to train Forest Service personnel and others in the application of the PLA so that they can conduct their own assessment on other high risk sub-drainages.

To quantify the effects of wildfire, roads and other land uses, the following models will be used in the PLA and/or tasks completed:

1. BANCS model (streambank erosion rates),
2. FLOWSED/POWERSED (total annual sediment yield and channel response)
3. WRENNS snowmelt runoff model (to determine flow-related sediment increase)
4. RUSLE (Revised Universal Soil Loss Equation) with a sediment delivery adaptation from WARSSS (2006)
5. Mass wasting model from WRENNS (1980), as described in WARSSS (2006)
6. Road Impact Index road sediment model (WARSSS, 2006)
7. Sediment budget analysis
8. Field data collection and data entry and analysis to Rivermorph for stream classification, reference reach data, dimensionless relations. Detailed data will be collected with survey grade GPS for extrapolation for river restoration design purposes as well as reach characterization.
9. Summary write-up of the PLA
10. Conceptual stream restoration plan

To conduct these models the following is required:

- Evaluate 183 miles of stream channels in the Trail Creek watershed.
- Conduct the Bank Erosion Hazard Index and Near-bank stress (BANCS model) on 183 miles of river channels.
- Classify stream types (level II)
- Conduct level III stability examinations on each of the 20 representative reaches
- Measure the dimension, pattern, profile and channel materials on the 20 reaches representing reference and/or impaired conditions for A,B,C,D E,F and G stream types as identified in the PLA and RRISSC.
- Develop dimensionless ratios of dimension, pattern and profile for comparison to reference and departure.

- Obtain sediment data for bedload, suspended sediment, suspended sand and stream discharge at the mouth of Trail Creek.
- Obtain bar samples and bed material at each of the 20 "representative" reaches to conduct sediment competence calculations for river stability. Bar samples will be field sieved.
- Aerial photography and GIS data to obtain slope gradient, ground cover density, slope length for the RUSLE model.
- Stand data, road acreages and detailed fire intensity mapping of vegetation alteration from timber harvest, roads and wildfires.
- Acres of road times the number of stream crossings by slope position (Road Impact Index).
- Basin precipitation data for the WRENNS model.

The following trained personnel will be utilized for the Trail Creek PLA:

Dave Rosgen, supervisory Hydrologist/Geomorphologist ($200.00/hr.)
Brandon Rosgen, Hydrologist ($30.00/hr.)
Lee Chavez, Hydrologist ($45.00)
Jim Nankervis (estimated cost to run Trail Creek model…$5,000.00)

USDA Forest Service (Pike NF); Dana Butler, Brian Banks, Denny Bohon and Molly Purnell
Possible Volunteers (?)

Budget

Task 1. Bancs model. Assess 183 miles of channel. 20 days @ 10 hrs./day /person. 2 people. B. Rosgen @ $30.00/hr., L. Chavez @ $ 45.00/hr. = $ 15,000.00

Task 2. FLOWSED/POWERSED model. 20 representative reaches of reference and impaired condition by various stream types. (Data from detailed site survey and from measured bankfull sediment data and development of regional bankfull sediment curves). 2 hr./analysis D. Rosgen, (40 hrs for 20 sites @ $ 200.00/hr.) = $ 8,000.00

Task 3. Conduct a WRENNS snowmelt runoff model. Jim Nankervis… $ 5,000.00

Task 4. Conduct RUSLE where the RRISSC indicated high risk sites. 4 sites at 1 day/site for 2 people: B.Rosgen, L. Chavez. $3,000.00.

Task 5. Mass wasting sites adjacent to Trail Creek where RRISSC indicated high risk. 2 days for 2 people = $ 1,500.00.

Task 6. Road Impact Index. This was already calculated in the Trail Creek RRISSC analysis…transfer data from high risk into tons/year. NC $0.00
Task 7. Total sediment budget analysis 1 day office, summarize all sources: $400.00

Task 8. Field data Collection, and data analysis of dimension, pattern, profile and channel materials for reference and representative impaired reaches (approximately 20 reaches). Data is for stream classification(level II), level III river stability analysis and dimensionless relations for reference reaches and development of detailed measurements to determine departure and natural channel design for stream restoration. Data entry into Rivermorph. 20 sites@1 day/reach field data for two people @ 10 hr/day: $ 16,000.00
Data analysis (Rivermorph, data summaries including stability sheets) 20 rivers @ 1 day/reach for two people: $16,000.00.

Task 9. Report: 10 days (10 hrs/day) for L. Chavez and B. Rosgen, = $ 7,500.00
D. Rosgen 1 day ($2,000.00) = $ 2,000.00.

Task 10. Conceptual design for restoration. 7 days (10 hrs/day) = $ 14,000.00

Travel costs/per diem 60 days for two people @ $ 100/day = $ 12,000.00

Sub-total costs: $ 98, 400.00

Cost share for survey grade GPS unit * (1/2 match) : $ 15,517.00

Phase II costs: Total: $ 113,917

- see attached sales quote which includes a 19 % discount.

Completion date: This project will be completed by October 30, 2010.

Phase III. Detailed design plan for Trail Creek for submittal for 404 permit.

The design plan for Trail Creek includes:

- Detailed proposed cross-sections, longitudinal profiles and channel pattern
- Computations of end areas (cut and fill balances)
- Sediment competence calculations for proposed design
- Sediment transport capacity for proposed design
- Wetland impacts (acres impacted)
- Staging plan
- Water quality control plan
- Revegetation plan
- Design and location of streambank stabilization structures
- Design of fish habitat structures
- Detailed restoration plan packet/write-up

Cost for detailed Trail Creek Restoration Plan

10 days @ 10 hrs/day @ $200.00/hr. = $ 20,000.00

Completion Date: March 30, 2011

Dave Rosgen
6-14-2010

SALES QUOTE

BENCHMARK TOOL & SUPPLY, INC.
533 Pylon Dr.
Raleigh, NC 27606
Phone: 919.835.2140 Fax: 919.835.214
info@benchmarksupply.com

Quote NO. 10345
DATE June 9, 2010
EXPIRATION DATE **30 Days**

TO Brandon Rosgen
Wildland Hydrology

SALESPERSON	JOB	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS	DUE DATE
Office						

QTY	ITEM #	DESCRIPTION	UNIT PRICE	DISCOUNT	LINE TOTAL
1.00	99-054902-11	Topcon GR3 Base & Rover. Digital UHF	$ 35,080.00	$ (5,696.00)	$ 29,384.00
2.00	27-050903-01	OAF, L1,L2, Glonass			**Included**
1.00	450-470 CFG	Digital UHF Config Kit			**Included**
1.00	60754	Topcon FC-2500 with TopSurv Pro GPS+			**Included**
1.00	New	Optional Pacific Crest 35W External Base Radio Kit			2,890.00
1.00	Used	Used Pacific Crest 35W External Base Radio Kit			1,650.00
		We only have 1 set of these at this price and will be sold to the first company interested.			
				TOTAL DISCOUNT	**6,936**
				SUBTOTAL	**31,034.00**
				SALES TAX	
				TOTAL	

Precisely what you're looking for and more!

WATER CONSERVATION BOARD
1313 SHERMAN STREET, ROOM 721
DENVER, CO 80203

Buyer: MAGGIE VAN CLEEF
Phone Number: 303-866-3292
Agency Contact: STEVEN SHULL
Phone Number: 303 866 3441

DATE: 09-03-09

IMPORTANT
The PO# and Line # must appear on all invoices, packing slips, cartons and correspondence

ACC: 09-02-09

PURCHASE ORDER
STATE OF COLORADO

P.O. # OE PDA 10000000028 **Page#** 01

State Award #

BID #

FEIN 841469785 **Phone:** 719-748-0033
Vendor Contact: MARTHA CAMPBELL
Purchase Requisition #:

VENDOR
COALITION FOR THE UPPER SO PLATTE

PO BOX 726
LAKE GEORGE CO 80827

Invoice in Triplicate
To: DIVISION OF WATER CONSERVATION
1313 SHERMAN STREET, ROOM 721
DENVER, CO 80203

Payment will be made by this agency

Ship To: DIVISION OF WATER CONSERVATION
1313 SHERMAN STREET, ROOM 721
DENVER, CO 80203

Delivery/Installation Date: 12-31-10
F.O.B. DESTINATION STATE PAYS NO FREIGHT

INSTRUCTIONS TO VENDOR:

1. If for any reason, delivery of this order is delayed beyond the delivery/installation date shown, please notify the agency contact named at the top left. (Right of cancellation is reserved in instances in which timely delivery is not made.)
2. All chemicals, equipment and materials must conform to the standards required by OSHA.
3. NOTE: Additional terms and conditions on reverse side.

SPECIAL INSTRUCTIONS:

LINE ITEM	COMMODITY/ITEM CODE	UNIT OF MEASUREMENT	QUANTITY	UNIT COST	TOTAL ITEM COST
001	91843000000				$50,000.00

WATERSHED GRANT-TRAIL CREEK RIVER RESTORATION INITIATIVE TO FIX THE DRAINAGE DUE TO THE HYMAN FIRE IN 2002. SEE SOW.

DOCUMENT TOTAL = $50,000.00

THIS PO IS ISSUED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS
This PO is effective on the date signed by the authorized individual.
EPSFO PAA

FOR THE STATE OF COLORADO

Authorized Signature

9/3/09
Date

DP-01 (R-02/06)

Coalition for the Upper South Platte

38000 Cherokee Ave
PO Box 726
Lake George, CO 80827

FINAL Invoice

Date	Invoice #
1/14/2011	2011 - S1

Bill To
Colorado Water Conserv Board ATTN: Chris Sturm 1313 Sherman St Rm 721 Denver, CO 80203

FINAL

P.O. No.	Terms	Project

Quantity	Description	U/M	Rate	Amount
1	Watershed Restoration Program - Trail Creek drainage PO # OE PDA 10000000028 Line #9184300000 CWRP This Request; Match This Request Personnel: $ 9,057.00; $ 22,484.00 Travel: $ 303.00; $ 0.00 Supplies: $ 4,031.00; $ 0.00 Contracts: $ 0.00; $ 0.00 Totals: $ 13,391.00; $ 22,484.00 CWRF To Date; Match to Date Personnel: $ 21,557.00; $ 290,921.00 Travel: $ 2,303.00; $ 4,711.00 Supplies: $ 9,640.00; $ 12,469.00 Contracts: $ 16,500.00; $ 18,500.00 Totals: $ 50,000.00; $ 326,601.00		13,391.00	13,391.00

OK to pay 1/21/11
Chris (Chris Sturm)
1/21/11

Thank you!

Total $13,391.00

Coalition for the Upper South Platte

38000 Cherokee Ave
PO Box 726
Lake George, CO 80827

Invoice

Date	Invoice #
8/6/2010	2010-22

Bill To
Colorado Water Conserv Board ATTN: Chris Sturm 1313 Sherman St Rm 721 Denver, CO 80203

OK to pay
8/16/10
(Chris Sturm)
8/17/10

RECEIVED
AUG 09 2010
Colorado Water Conservation Board

P.O. No.	Terms	Project
10-28		

Item	Description	Est Amt	Prior Amt	Qty	Curr %	Total %	Prior Qty	Amount
Funds Disbur...	Watershed Restoration Fund - Trail Creek drainage PO # OE PDA 10000000028 Line #9184300000 CWRF To Date; Match to Date Personnel: $12,500.00; $268,437.00 Travel: $2,000.00; $4,711.00 Supplies: $5,609.00; $12,469.00 Contracts: $16,500.00; $18,500.00 Totals: $36,609.00; $304,117.00 THANKS,	50,000.00		0.73218	73.22%	73.22%	0	36,609.00

Carol Ekarius

Total	$36,609.00
Payments/Credits	$0.00
Balance Due	$36,609.00

Colorado Water Conservation Board - Watershed Restoration Fund

COALITION FOR THE UPPER SOUTH PLATTE

Interim Report
Award 10-28
August 2, 2010

PROGRESS UPDATE

There are two primary pieces of this project:

1. Rosgen Phase 1 assessment of the greater Horse Creek drainage, with a focus on Trail Creek. This phase is completed and the report has been emailed to Chris Sturm.
2. Upland stability projects in the Trail Creek drainage. This work has been ongoing, and to date CUSP staff and volunteers have accomplished the following.
   a. Plant 3,428 ponderosa pine.
   b. Plant 4,472 willows and shrubs.
   c. Build 1,500 feet buck and rail fence.
   d. Create four check dams in subdrainages, ~130 feet each.
   e. Rock check structures along 995 linear feet of Trail Creek Road with geotextile under.
   f. Erosion control on 15.3 acres, including seeding, raking, and placing geotextile.

CUSP is matching this grant with cash support from Douglas County, CDPHE, and the National Forest Foundation, as well as inkind support, including 11, 657 volunteer hours valued at $221,483 (at $19.00 per hour).

FINANCIAL SUMMARY FOR THIS REPORT

ITEM	Total Budget	CWRP Budget	Min. Match Budget	Total To Date	CWRP To Date	Match to Date
Personnel Totals:	$105,000.00	$20,000.00	$85,000.00	$280,937.00	$12,500.00	$268,437.00
Travel Totals:	$8,500.00	$3,000.00	$5,500.00	$6,711.00	$2,000.00	$4,711.00
Supplies Totals:	$25,000.00	$10,500.00	$14,500.00	$18,078.00	$5,609.00	$12,469.00
Contractual Totals:	$35,000.00	$16,500.00	$18,500.00	$35,000.00	$16,500.00	$18,500.00
OVERALL Totals:	$173,500.00	$50,000.00	$123,500.00	$340,726.00	$36,609.00	$304,117.00

Description	$
Grant Funds Requested With This Invoice	$36,609.00
Grant Funds Remaining	$13,391.00
Match With This Invoice	$304,117.00
Match Yet to be Accrued	$0.00