

**CC-C: CAPITAL CONSTRUCTION REQUEST FOR FY 2011-12**

Project Title: <b>Superfund Cleanup Project</b>		State Controller Project No. <b>New</b>		Name and Email of Preparer: <b>Kim Fear</b> <b>Kim.Fear@state.co.us</b>					
Project Year(s): <b>FY 2012 to 2014</b>		Signature of Department or Institution Approval: <i>[Signature]</i>		Date: <b>7/15/10</b>					
Agency or Institution: <b>Department of Public Health and Environment</b>		Signature CCHE Approval: <b>NA</b>		Date: <b>NA</b>					
Agency or Institution Priority Number: <b>1 of 3</b>		Signature OSPB Approval: <i>[Signature]</i>		Date: <b>7/15/10</b>					
Revision?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Total Project Costs	Prior-Year Appropriation(s)	Current Request FY 2011-12	Year 2 Request	Year 3 Request	Year 4 Request	Year 5 Request
<b>A. Land Acquisition</b>									
(1)	Land/Building Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B. Professional Services</b>									
(1)	Master Plan/PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(2)	Site Surveys, Investigations, Reports	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(3)	Architectural/Engineering/Basic Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(4)	Code Review/Inspection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(5)	Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(6)	Advertisements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(7a)	Inflation for Professional Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(7b)	Inflation Percentage Applied		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(8)	Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(9)	Total Professional Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C. Construction or Improvement</b>									
(1)	Infrastructure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	(a) Service/Utilities	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	(b) Site Improvements	\$20,150,000	\$0	\$20,150,000	\$0	\$0	\$0	\$0	\$0
(2)	Structure/Systems/Components								
	(a) New (GSF):	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	New \$ /GSF								
	(b) Renovate GSF:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Renovate								
(3)	Other (Specify)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(4)	High Performance Certification Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(5a)	Inflation for Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(5b)	Inflation Percentage Applied		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(6)	Total Construction Costs	\$20,150,000	\$0	\$20,150,000	\$0	\$0	\$0	\$0	\$0
<b>D. Equipment and Furnishings</b>									
(1)	Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(2)	Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(3)	Communications	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(4a)	Inflation on Equipment and Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(4b)	Inflation Percentage Applied		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(5)	Total Equipment and Furnishings Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>E. Miscellaneous</b>									
(1)	Art in Public Places =1% of Total Construction Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(2)	Building Maintenance Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(3)	Relocation Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(4)	Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(5)	Total Misc. Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>F.</b>	<b>Total Project Costs</b>	<b>\$20,150,000</b>	<b>\$0</b>	<b>\$20,150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>G. Project Contingency</b>									
(1)	5% for New	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(2)	10% for Renovation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(3)	Total Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>H.</b>	<b>Total Budget Request [F+G(3)]</b>	<b>\$20,150,000</b>	<b>\$0</b>	<b>\$20,150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>I. Source of Funds</b>									
	CCF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	CF	\$2,015,000	\$0	\$2,015,000	\$0	\$0	\$0	\$0	\$0
	RF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	FF	\$18,135,000	\$0	\$18,135,000	\$0	\$0	\$0	\$0	\$0

## CC-C: CAPITAL CONSTRUCTION REQUEST FY 2011-12

1. SUMMARY INFORMATION	Complete Every Row in this Column
a. Agency or Institution Name:	Public Health and Environment
b. Project Name:	<b>Superfund Cleanup Projects</b>
c. State Controller Project Number:	New Project
d. Project's Year (1, 2, etc.):	1
e. Date Sent to DHE:	N/A
f. Date Sent to OSPB:	7/13/10
g. Date Sent to CDC with copy to JBC:	9/1/2010
h. Date of Project's Most Recent Program Plan:	N/A
i. Date of Governing Board Approval (for institutions of higher education):	_____ or <input checked="" type="checkbox"/> Not an institution of higher education
j. Continuation Project <i>(there is a corresponding project appropriated in prior year)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, list project numbers here: # _____ # _____ # _____
k. Request 6-month encumbrance waiver?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, justify below) The six-month encumbrance rule does not apply. SB 08-037 changed the encumbrance requirement for the Superfund, Brownfields and Natural Resource Damage Programs from six months to eighteen months. (CRS 24-75-102.1.b(I))
l. Anticipated Project Completion Date:	The projects funded by this appropriation will be complete by 6/30/14
m. Purpose Code	<b>F. New Projects</b> (1) Fulfill state's legal responsibilities
n. New construction or modification?	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modification
o. Facility Condition Index Score	__ N/A __ ASF __ N/A __ GSF
p. Total Square Footage	\$ N/A
q. Cost per Square Foot <i>(using construction cost per section C of CC-C form and GSF)</i>	\$

2. TYPE OF REQUEST	"X" <u>All</u> that Apply	Instructions
a. State-funded Project – Higher Education		Requires CDHE then OSPB approval before submission to CDC and JBC. Use CC-C Excel Form and CC-C Word form.
b. State-funded Project – Non Higher Education		Requires OSPB approval only before submission to CDC and JBC. Use CC-C Excel Form and CC-C Word form.
c. 100% Cash Funded Project for higher education institution participating in the Intercept Program		Requires CDHE approval only before submission to CDC. Use CC-C Excel Form and CC-C Word form.
d. Under 100% Cash-Funded Project – Higher Education		Requires CDHE then OSPB approval before submission to CDC and JBC. Use CC-C Excel Form and CC-C Word form.
e. Cash-Funded Project – Non Higher Education	X	Requires OSPB approval only before submission to CDC and JBC. Use CC-C Excel Form and CC-C Word form.
f. Federally Funded Project	X	Requires CDHE (if Higher Ed) then OSPB approval before submission to CDC and JBC. Use CC-C Excel Form and Word form.
g. IT Project		Use CC-IT Excel form and CC-C Word form. Non Higher Ed agencies must approve with OIT before submission to OSPB.

<b>3. CRITERIA FOR FY 2011-12 PROJECT</b>	<b>“X” Applicable Item(s)</b>	<b>Describe How Criterion is Met for Marked Items</b>
a. 100% Cash or Federally Funded Project	X	The Hazardous Materials and Waste Management Division (Division) is requesting \$20,150,000 in capital construction funding for the Central City/Clear Creek Superfund Sites.
b. Priority #1 for department or #1-5 for DHS		
c. Meets Priority Criteria for Higher Education		
d. Project Originally in HJR 08-1042		
e. Continuation Project from FY 2010-11 CCF Appropriation		
f. Statutorily required COP payment for capital construction		
g. Project requires CDHE approval for program review but does not meet FY 11-12 criteria for submission to OSPB. This request does not have OSPB review.		

<b>4. BRIEF SUMMARY OF FY 2011-12 CAPITAL PROJECT</b>	<b>Enter summary below, this column</b>
<p>State exactly what is requested, why, for how much, over what period of time.</p>	<p>The Hazardous Materials and Waste Management Division (Division) is requesting \$20,150,000 (\$2,015,000 cash funds and \$18,135,000 federal funds) in capital construction funding for the Central City/Clear Creek Superfund Site. The request will fund the remaining Operable Unit 4 cleanup projects including the construction of a new water treatment plant in Gilpin County to treat mining-impacted water. The projects will improve the North Fork of Clear Creek and Clear Creek water quality to support a brown trout fishery and protect downstream municipal water users. The projects will also remove mine waste from the North Fork of Clear Creek, stabilize the stream and prevent human exposure to mine waste.</p> <p>The projects noted above are the currently planned projects. However, there are several factors that impact the implementation of the projects, such as the availability of federal funds, agreement from all parties as to a cleanup plan, etc. There may be some future adjustment to the actual projects that are completed, however if additional time or funding is necessary, the department will seek an additional appropriation.</p>

<b>5. CONTINUATION HISTORY</b>	If this is a continuation project (a project with a former appropriation), complete the following table including all appropriations and expenditures. Include the bill numbers for each appropriation. If not a continuation project, mark here: <input checked="" type="checkbox"/> N/A				
	<b>FY 2007-08 Appropriated</b>	<b>FY 2008-09 Appropriated</b>	<b>FY 2009-10 Appropriated</b>	<b>Spent to Date</b>	<b>FY 2010-11 Appropriated</b>
Total Funds	\$0	\$0	\$0	\$0	\$0
General Fund	\$0	\$0	\$0	\$0	\$0
Cash Funds	\$0	\$0	\$0	\$0	\$0
Cash Funds Exempt / Reappropriated Funds	\$0	\$0	\$0	\$0	\$0
Federal Funds	\$0	\$0	\$0	\$0	\$0
Bill Number(s)					

<b>6. OBJECTIVES</b>	<b>Enter summary below, this column</b>
<p>a. List key objectives of the entire project – big picture</p> <p style="color: red;">This row not applicable as this is a single year project: <input type="checkbox"/> N/A</p>	<p>The objectives of the project are to improve North Fork of Clear Creek and Clear Creek water quality to support a brown trout fishery and protect downstream municipal water users. The projects will also remove mine waste from the North Fork of Clear Creek, stabilize the stream and prevent human exposure to mine waste.</p>
<p>b. List key objectives of this year's specific request - detailed</p>	<p>The key objectives are:</p> <ul style="list-style-type: none"> <li>• Collect and convey contaminated mine discharge from three sources in Gilpin County to a new active treatment plant. The plant will remove the metals and discharge clean water to the North Fork of Clear Creek.</li> <li>• Remove mine waste adjacent to the North Fork of Clear Creek for containment in the state's mine waste repository. CDPHE will also reconstruct disturbed portions of the channel and stabilize the channel in order to reduce sedimentation. These activities will be performed in coordination with CDOT's Highway 119 widening project.</li> <li>• Optimize the performance of the existing Argo Tunnel Water Treatment Plant in Idaho Springs to reduce operating costs. This plant treats mining-impacted water from the Argo Tunnel, Virginia Canyon and Big 5 discharges. Fund construction of a bulkhead to prevent blowouts in the Argo Tunnel and provide more regular and predictable discharge rates to the water treatment plant.</li> </ul>

<b>7. ESTIMATED ENTIRE PROJECT TIMETABLE:</b>			
Delineate how many years this project crosses from start to finish, describing what portion of the project each year will accomplish.			
Steps to be Completed	Start Date(s)	Completion Date(s)	Year
CDPHE is currently in the Request for Qualification solicitation phase to hire an engineering contractor to design the new water treatment plant, and therefore, a construction schedule has not been developed. Construction is anticipated to begin in 2012 and conclude in 2014. CDPHE is working closely with CDOT to coordinate this project with CDOT's Highway 119 project, as the project footprints overlap. The new plant and water conveyance pipelines will be built on CDOT's right-of-way. CDPHE will coordinate with CDOT on the North Fork of Clear Creek mine waste removal/stream stabilization project	2012	2014	2-3
Argo Tunnel Bulkhead Construction	Fall 2012	Fall 2013	2
Argo Tunnel Water Tmt. Plant Modification Construction	Fall 2011	Summer 2012	1

**8. FY 2011-12 SPECIFIC TIMETABLE:**

*Delineate the steps that will be taken in FY 2011-12 to complete this project or this phase of the project.*

<b>Steps to be Completed</b>	<b>Start Date(s)</b>	<b>Completion Date(s)</b>
Complete North Fork of Clear Creek Water Treatment Plant design development/construction drawings		Fall 2011
Issue RFP for new plant	Fall 2012	Spring 2012
Commence construction of new water treatment plant	Spring 2012	ongoing
Argo Tunnel Water Tmt. Plant Modification Construction	Fall 2011	Summer 2012

<b>9. IMPACT</b>	<b>Enter summary below, this column</b>
a. Describe actual impact to program if this year's project is not funded	If the projects are not funded, metals-contaminated water and sediment will continue to impact the North Fork of Clear Creek and a brown trout fishery will not be established. The City of Black Hawk, the Upper Clear Creek Watershed Association, the Silver Dollar Metropolitan District and community members support construction of a water treatment plant to address mine drainages and the removal of mine wastes. Without funding, CDPHE will also not be able to fulfill its obligations under the Central City/Clear Creek Operable Unit 4 Record of Decision which documents the EPA/CDPHE cleanup decisions. The funding of the improvements to the Argo Tunnel Water Treatment Plant and the tunnel blowout protection which is anticipated to reduce the state's long-term operation and maintenance obligations will not occur.
b. Describe how this project will affect State operating expenditures, including dollars and FTE for each project component.	Under the federal Superfund Program, the Environmental Protection Agency will fund 90 percent of the operating costs for the new North Fork water treatment plant for ten years after the plant is deemed operational (estimated through approx. 2025). After this period, the state will be responsible for the full cost of operating the plant.  In October 2009, the state became responsible for the operating costs of the Argo Tunnel water treatment plant. The optimization of the Argo Tunnel plant and bulkhead installation is anticipated to reduce the long-term operational costs.
c. Describe consistency with Agency or Institutional Master Plan and 5-Year Capital Improvement Plan Schedule, explain variances	The Department does not have an agency master plan as the typical capital construction projects undertaken by this agency are not the typical "bricks and mortar" building projects. The projects are to clean up and remediate contaminated sites.

<b>10. JUSTIFICATION</b>	<b>Enter summary below, this column</b>
Fully justify and defend this request. This will be the most lengthy section of the request. Include all necessary detail and specific scope of work. Describe how much space is needed, what types of rooms or equipment are included in the request and why,	This project is not a "typical" Capital Construction project in that the Department is not building new facilities or renovating old ones. Instead, the Department is focused on identifying and remediating sites that are contaminated and are a risk to the public health or the environmental quality of the area.  If this request is not approved, the department will not be able to proceed with the planned construction of the water treatment plant on the North

<b>10. JUSTIFICATION</b>	<b>Enter summary below, this column</b>
<p>and illustrate where on campus the project will be executed. Explain what is wrong with the current situation and why a new or different building or capital expenditure is needed. Focus more on why the current facilities are insufficient, less on why the current programs are driving change.</p>	<p>Fork of Clear Creek. Water from the North Fork will continue to be the leading source of contamination to Clear Creek. Clear Creek is the drinking water supply for over 300,000 people in the cities of Golden, Westminster, Arvada and Northglenn and is a recreational asset. Mine wastes line the banks of the North Fork and are in contact with surface water. Treatment of the sources contaminating the North Fork and removing the mine wastes will result in significant water quality improvements in the North Fork and main stem of Clear Creek. These actions are intended to allow for a brown trout fishery in the North Fork of Clear Creek.</p> <p>The installation of a bulkhead in the Argo Tunnel will prevent a potentially catastrophic blowout and promote more efficient operation of the Argo Tunnel water treatment plant. The bulkhead will permit a more constant, metered discharge from the tunnel to the plant. The plant's water collection system performs adequately under normal flow conditions but would not be capable of handling even a small blowout. An uncontained blowout would result in the discharge of untreated water from the Argo Tunnel to Clear Creek. The treatment capacity of 700 gallons per minute was exceeded during blowouts that occurred during 1995 and 1998. A significant blowout could have considerable impacts on the ecology of Clear Creek and on downstream public water systems that draw water from the creek. Immediate harm to the public could occur if the creek is being used for recreational purposes (e.g., fishing, kayaking) near the tunnel when a large blowout occurs.</p> <p>The department also intends to modify the Argo water treatment plant in an effort to reduce overall operating expenditures of the plant.</p> <p>The CDPHE must have its cost share available to proceed with the project, as federal statute prohibits EPA from proceeding without it. Further, because of limited federal funding, projects that are not "ready" will have funds diverted to other projects nationally, setting back the schedule and prolonging the exposure of local residents to the contaminants at the site.</p> <p>The Hazardous Substance Response Fund is designated to cover the costs of cleanup at these contaminated sites. The anticipated expenditures on these projects are included in the long term solvency calculations for this fund.</p>

<b>11. CALCULATIONS</b>	<b>Describe how the numbers on the CC-C Excel form were calculated; describe in this column, FY 2011-12 only. Out years will be requested separately</b>
Assumptions and calculations for land purchase	
Assumptions and calculations for professional services	
Assumptions and calculations for construction	
Provide list of equipment and furnishings to total on CC-C Excel form	
Art in public places: describe what portions of project apply and calculation used. The calculation should apply only to State funds (see SB 10-94)	
Discuss all inflation assumptions, as delineated on the CC-C form, by year and by component (professional services, construction or improvement, and equipment and furnishings)	
Discuss HPCP cost assumptions	
Other	<p>The request is based on the projects noted below:          North Fork Conveyance Pipeline \$4,750,000          North Fork Stream Stabilization/Mine Waste: \$2,000,000          Argo Tunnel Bulkhead \$500,000          Argo Tunnel Water Treatment Plant Modifications \$2,500,000          Quartz Hill Remediation \$1,500,000          North Fork new Water Treatment Plant: 8,900,000          Total \$20,150,000          Federal funds will pay for 90% of the total cost and cash funds will pay for the remaining 10%</p>
Other	
Other	

<b>12. CASH FUND PROJECTION</b>					
Does request include cash funds?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      (If no, proceed to question #13)				
If the project is being financed, describe the terms of the bond, including the length of the bond, the expected interest rate, when the agency plans to go to market, and the expected average annual payment.	<input checked="" type="checkbox"/> N/A				
<b>Cash Fund Sources Lists</b> <i>(list all separately; projected balances must account for other obligations)</i>	<b>Actual FY 2009-10 Cash Fund Balance</b>	<b>End Fund Balance FY 2009-10</b>	<b>Projected FY 2010-11 End Cash Fund Balance</b>	<b>Projected End Cash Fund Balance FY 2011-12</b>	<b>Projected End Cash Fund Balance FY 2012-13</b>
a. Fund Number: <u>116</u>					
<b>Cash Funds</b>	<b>\$12,501,339</b>	<b>\$11,679,923</b>	<b>\$9,258,917</b>	<b>\$6,074,579</b>	<b>\$3,520,678</b>
Describe how revenue accrues to the fund	Funding is received from waste facilities (landfills, etc) as a tipping fee based on the volume of waste accepted at the facilities and any interest earned on the fund balance.				
Describe other obligations and encumbrances to the fund	This fund supports the personal services and operating expenses for portions of the Hazardous Materials And Waste Management Division. The fund also is obligated for the cleanup of contaminated sites. All known obligations are taken into account in the fund balance projections.				

<b>13. RELATED PROJECTS</b>		<u><a href="#">Delineate capital construction and controlled maintenance projects for this department, DHS Office, or higher education institution appropriated since FY 2007-08. 100% cash funded projects for higher education do not need to be listed.</a></u>		
Year	Project #	Item	CCF Cost	Pending Underway, or Requested
2007-08	P9870	Natural Resource Damage Restoration	\$5,342,000	Underway
2007-08	P0170	Contaminated Sites Redevelopment (Brownfields)	\$250,000	Complete
2008-09	P0170	Contaminated Sites Redevelopment (Brownfields)	\$250,000	Underway
2009-10	P0170	Contaminated Sites Redevelopment (Brownfields)	\$250,000	Underway
2009-10	P9870	Natural Resource Damage Restoration	\$18,500,000	Underway
2009-10	M0919	Reconfigure Emergency Power System	\$184,089	Underway
2009-10	P0918	Cleanup Projects, ARRA of 2009	\$22,550,000	Underway
2010-11	P8069	Superfund Cleanup – Clear Creek	\$14,785,000	Underway
2010-11	P8069	Superfund Cleanup – Various Sites	\$27,000,000	Underway

<b>14. PROGRAM PLAN</b>	
Describe any changes to this project on the Program Plan, Master Plan, or Five Year Plan since its submission to the Capital Development Committee	<input checked="" type="checkbox"/> No changes <input type="checkbox"/> Changes are described below The department does not have a Program Plan, master Plan or Five Year plan as the typical capital construction projects undertaken by this agency are not the typical “bricks and mortar” building projects. The projects are to clean up and remediate contaminated sites.



## 15. ADDITIONAL INFORMATION

Provide any additional information to best justify the request.

Implementing the North Fork water treatment and stream stabilization project in the proposed timeframe offers unique benefits because it will allow CDPHE to partner with CDOT, which will be constructing its Highway 119 improvements project simultaneously. The State Highway (SH) 119 corridor between US 6 and Black Hawk parallels the main stem of North Clear Creek, which is greatly impacted by historic mining activities. The overlapping boundary of the two projects provides a unique opportunity for the CDPHE and the CDOT to work together to not only realize cost savings, but also to create a better end product. Realizing the opportunity to collaborate on the projects occurring in the North Clear Creek watershed, CDPHE, CDOT and EPA entered into a Memorandum of Understanding (January 2008) to coordinate efforts. This memorandum was followed by an Interagency Agreement between CDPHE and CDOT, effective August 2009.

Some of the benefits that will result from agency coordination include:

- CDPHE utilizing rock generated from the CDOT SH 119 curve straightening project for mine waste pile caps, resulting in cost savings to both agencies and promoting “green remediation” through materials reuse;
- CDOT allowing CDPHE to install a mine drainage conveyance pipeline during SH 119 road construction, minimizing cost to CDPHE and EPA and road impact to CDOT;
- CDOT providing an area within its right-of-way for CDPHE to build its mine drainage treatment system required under the Record of Decision saving CDPHE and EPA the capital investment required for land acquisition in a location where suitable property is highly limited;
- CDPHE and EPA taking the lead on stream restoration within the OU4 site, reducing the coordination required by CDOT with the U.S. Army Corps of Engineers; and
- Additional restoration of the North Clear Creek due to pooling of expertise and resources. For example, road improvements along SH 119 may provide an opportunity to use equipment and CDOT-generated rock to move and/or cap mine waste piles located along the stream, reconstruct portions of the channel and stabilize the channel, resulting in more cleanup action than would otherwise occur if CDPHE implements the work independently.