

Project 2

Title: LOW IMPACT DEVELOPMENT RESOURCES

Agency: Indian Nations Council of Governments (INCOG)

Objective:

This grant will provide funds for INCOG to create a central clearinghouse of technical and academic information to increase implementation of Low Impact Development (LID) projects in Oklahoma. This effort will showcase completed LID projects throughout the State and provide for easy access to a variety of information for contractors, educators, builders, developers, engineering / consulting firms, government agencies and the general public. The goal will be to increase interest and provide resources for anyone desiring to pursue LID projects in the State. The education component will include hosting two one-day workshops, creation of education materials, and adding a LID website to INCOG's existing Green Country Stormwater Alliance webpage which supports programs to control stormwater pollution in urban areas. A resource and planning team will be created to assist INCOG and its partners with optimizing LID resources. This project meets the EPA Region VI program activity measures (PAMs) Goal 2: Safe and Clean Water; Objective 2: Protect Water Quality; Sub-objective: Watershed Planning, TMDLs and Nonpoint Source.

Background:

Oklahoma is behind many other States in the utilization of LID approaches to reduce pollution in urban runoff. Many Phase I and II stormwater permitted cities in Oklahoma are interested in encouraging LID within their jurisdictions as an important Best Management Practice (BMP). In addition, there are many developers in Oklahoma that have started implementing LID in their own projects. Interest in adopting LID in Oklahoma is now very high. What is lacking at this time is any consolidation of information and resources to assist those wanting to utilize LID. This grant will achieve five goals: 1) educate about LID and encourage increased deployment of LID in urban areas, 2) provide centralized and easily accessed information about LID, 3) showcase existing LID projects to demonstrate utilization, 4) identify resources to assist LID development (materials, training and certifications, contacts for suppliers and designers, etc.), and 5) establish a network of parties interested in LID issues in Oklahoma. By unifying and centralizing information and providing education about the benefits of LID, the interest that exists now can be expanded by providing readily available resources and enhancing communication between interested parties. In addition, INCOG will promote and draw resources from EPA's Green Infrastructure program promoted by EPA Headquarters through the NPDES Program. Typical Green Infrastructure approaches include: green roofs, trees and tree boxes, rain gardens, vegetated swales, pocket wetlands, green parking, vegetated filter strips, reforestation, protection of natural features, and riparian buffers/forested buffers. INCOG will also will provide information on LEED (Green Building) accreditation, and related innovations designed to minimize runoff impacts from urbanization, development and redevelopment in the land transformation process, including links to the EPA NPDES website titled Green

Infrastructure with linkages to LID and Stormwater BMPs as complimentary approaches to maintaining and restoring watersheds.

Approach:

INCOG will use FY-07 604(b) funds to:

1. Host planning meetings between INCOG and its LID partners to initiate the program framework and identify activities to be performed.
2. Cross-reference locations of existing and planned LID projects with the State's 303(d) list, current and planned watershed-based plans, stormwater permitted areas, sensitive and high quality waters, Oklahoma Scenic Rivers, and other areas of environmental concern.
3. Identify and prepare information (fact sheets, brochures, PowerPoints, website) about existing LID projects and strategies in Oklahoma.
4. Determine how Federal, State and local regulations and codes may affect LID, and identify any regulatory or local code strategies that are being used or considered that encourage or require LID in Oklahoma.
5. Create a network of contacts of parties of interest, including designers, academicians, consultants, agency staff, local officials, developers and builders, and sustain the network via website and emails.
6. Add a LID webpage to INCOG's Green Country Stormwater Alliance website for a central resource and education gateway.
7. Host (or co-host in partnership with other agencies) two one-day workshops that focus on LID and urban stormwater protection, and add workshop materials to the LID website and use in the LID education program.
8. Create and distribute various LID fact sheets, brochures and other education materials to parties of interest at LID and stormwater venues.
9. Compile and distribute licensing, training and certification requirements for suppliers and contractors that provide services on design and construction of LID projects.
10. Compile and distribute technical specifications and industry standards relating to utilization of materials and construction of LID projects.
11. Promote and obtain resources from EPA's Green Infrastructure program, including LEED and stormwater BMPs that protect water quality.

Grant outputs are presented below including a Project Summary Report at the end of the grant that summarizes all activities and accomplishments performed under this grant. The following table provides a schedule for the above list of tasks.

ITEM	TASK	DEADLINE / SCHEDULE
1	Host planning meetings with LID partners	November 2007
2	Cross-reference LID projects with environmental areas in Oklahoma	January 2008
3	LID fact sheets, brochures, website, PowerPoints	Initial printed material output March 2008, continue throughout project
4	Relationship of LID to codes and regulations	August 2008
5	Create contacts of LID partners and resources	Initial May 2008, continue throughout project
6	LID webpage to GCSA website	Initial June 2008, updated throughout project
7a	Host first LID workshop	September 2008
7b	Host second LID workshop	March 2009
8	Distribute LID education materials at LID and stormwater venues	Starting March 2008, continue throughout project
9	Distribute licensing, training and certification requirements	October 2008
10	Distribute technical specs and industry standards on materials and construction	Start March 2008, continue throughout project
11	Promote and obtain resources from EPA's Green Infrastructure program	Start November 2007, continue throughout project

Outputs: Output 201: Semi-annual Progress Reports
 Output 202: Education Materials and Website
 Output 203: Project Summary Report

Project Schedule: Output 201: Due by June 15 and Dec 15 each year
 Output 202: Throughout project
 Output 203: August 2009

Resource Allocation:

Federal: \$20,000
 Match: none

Project Budget:

Salary		9,624
Fringe (0.5199)		5,004
Indirect (0.2989)		4,372
Contracts		0
Supplies (printing and supplies)		500
Equipment		0
Travel		500
		<hr/>
		\$ 20,000

Budget Breakdown by Task:

Task 201: Semi-annual Progress Reports	1,100
Task 202: Education Materials and Website	1,650
Task 203: Project Summary Report	17,250
	<hr/>
	\$ 20,000

Manpower Allocation:

<u>Position</u>	<u>Number of Positions</u>	<u>Manpower Allocations(MY)</u>	<u>Cost Allocations (excl. fringe & indirects)</u>
Project Manager	--	0.000	0
Senior Civil Engineer	1	0.08507	4,424
Senior Envir. Planner	1	0.100	5,200
Data Assistant	--	0.000	0
			<hr/>
Total personnel costs (does not include fringe or indirects)			\$ 9,624