

Central Coast Low Impact Development Initiative: Annual Work Plan

October 1, 2016 through September 30, 2017

Overview

The purpose of the Central Coast Low Impact Development Initiative (LIDI) is to support the vision of healthy watersheds through the implementation of LID design principles, hydromodification controls, and sustainable development. The 2016-2017 LIDI Work Plan builds upon the progress achieved by LIDI including development of technical specifications, green street designs, updates to municipal codes, support for post-construction stormwater control compliance and an array of outreach and education resources, workshops and presentations. While supporting a basic understanding and design principles of LID with municipalities and other stakeholders, LIDI also leveraged resources to help Central Coast municipalities keep an even pace with LID development in the rest of the state. For example, no other region in California has as many municipalities with Green/Complete Street design standards, which are fundamental to successful stormwater and LID management, than the Central Coast Region.

In the 2016-2017 LIDI Work Plan year, the primary objective is the integration of LID and green infrastructure into planned municipal capital improvement projects such as transportation, flood control and water supply projects to leverage funding and the likelihood for projects that include objectives to protect and restore watershed processes and receiving waters. Additionally, LIDI and Water Board staff will continue to support the SWRCB in the development of a stormwater “Capture and Use” White Paper to evaluate the opportunities and barriers associated with stormwater management to meet environmental and public consumptive uses.

Background

In 2008, the Water Board established a Low Impact Development Endowment Fund (LID fund) with the Bay Foundation of Morro Bay (under separate agreement) to fund the services described here. The LID fund provides support for LIDI and the Water Board Executive Officer may authorize the Bay Foundation of Morro bay to enter into contract with other organizations or consultants to provide LID and other related services under the Water Board – Bay Foundation agreement. The 2016-2017 Work Plan focuses on the implementation aspects that will assist in the planning, design, policy, and program components needed for successful LID implementation and sustainable stormwater management.

2016-2017 LIDI Work Plan

The 2016-2017 LIDI Work Plan is provided in the Task descriptions below. This LIDI Work Plan year shows a reduction of services from UC Davis with Dr. Darla Inglis providing approximately half-time support for the Work Plan year. This resource level was developed in response to the current status of LID implementation in the Central Coast Region whereby post-construction stormwater control requirements are firmly established and municipalities are now better positioned to work independently and with other municipal partners to develop and implement their stormwater programs. The focus on green infrastructure represents a natural progression toward meeting sustainability goals and many Central Coast municipalities are ready to embark upon this type of municipal and watershed strategy.

Task 1: Program Administration

This Task includes operational activities related to LIDI such as contract development and management (e.g., scope, schedule, and budget), information management and meetings with Water Board staff. The Task also includes development of the LIDI annual work plan, annual report and, any requested assessments of annual work plan benefits and performance.

Deliverables: LIDI Work Plan within scope, schedule and budget. Completion of necessary program administration tasks. Information support as requested or approved by Client.

Schedule: On-going through September 30, 2017

Hours: 102 (UC Davis)

Task 2: Stormwater Capture and Use: OWP White Paper Support

This Task includes technical, policy and regulatory support to the CSU Sacramento Office of Water Programs (OWP) for the development of the SWRCB's Stormwater Capture and Use White Paper. Work includes review of relevant information to inform legal, policy and technical considerations regarding capture and use; development of White Paper content; and, support to OWP in facilitation of information to stakeholders including SWRCB staff and advisory and/or technical teams. Work may include travel as approved by the Water Board.

Deliverables: Support as determined by the OWP Project Manager in coordination with the Water Board Client. May include White Paper content development, review of existing literature, development of templates, analyses regarding capture and use opportunities and barriers; economics, regulations; and, technical implementation factors. The Task will include communications via email, phone and potentially in-person meeting(s).

Schedule: Not to exceed September 30, 2017

Hours: 38 (UC Davis)

Task 3: Green Infrastructure Integration Project (GIIP)

This Task includes working with a minimum of four, with a target of six, selected San Luis Obispo County municipalities to evaluate and develop LID / Green Infrastructure project options that support protection and restoration of watershed processes, receiving water health and, where feasible, provide ancillary community, economic and natural resource benefits. The Contractor will work with the selected municipalities to develop concept project designs with the goal of: 1) increasing the number of high-value projects that are competitive for grant funding such as those under the Stormwater Resource Plans (SWRP) eligible project types as described under the Proposition 1 Stormwater Grant Program Guidelines, 2) creating a basis for a fee-in-lieu or similar methodology as one option for post-construction stormwater quality control compliance, and 3) evaluating planned municipal infrastructure projects, with an emphasis on streets and infill projects, as method to integrate stormwater management and urban greening components into municipal infrastructure. The Contractor will develop and manage support resources, contracted through the Bay Foundation, to complete the work. Any modifications of the Task 3 Scope will be conducted with the coordination and approval of the Client.

Task Schedule: On-going through September 30, 2017

Total Hours: 748 UC Davis
Additional Budget: \$1,700 CivicSpark; \$58,000 consultant resources
Deliverables: Listed below by Task

Subtasks for the Contractor include:

3.1 GIIP Administration

The Contractor will manage project resources contracted under the Bay Foundation to support the 2016-2017 LIDI Work Plan Task related to GIIP. Bay Foundation contracted resources may include private consulting firms, the Local Government Commission (i.e. CivicSpark Program), or other resources needed to complete the work. Work under this subtask relates primarily to scope management. Administrative work including invoicing, contract development is included under Task 1 of this contract.

Deliverables: Project on schedule and budget
Schedule: On-going through September 30, 2017
Hours: 30

3.2 Identification of Candidate Projects

The Contractor will work with selected municipalities to identify opportunities for LID and green infrastructure integration and implementation. Opportunity analyses will focus on the following categories of opportunity listed in descending priority:

- a. Capital Improvement Program (CIP) projects with a focus on transportation projects.
- b. Relevant planning documents with an emphasis on infill redevelopment outlined in outdated Specific Plans.
- c. Promising stormwater Capture and Use opportunities not identified in any existing planning, IRWM or related documents.

Deliverables: GIIP opportunity identification and ranking criteria; list of candidate projects for further evaluation.
Schedule: 2nd Quarter, 2017
Hours: 170

3.3 Candidate Project Concept Design

The Contractor will work with selected municipalities to develop LID / Green Infrastructure concept designs using the candidate projects identified in Task 3.2 as guidance. Work will include development of concept design options; project description(s); Stormwater Control Measure (SCM) sizing including Drainage Management Area (DMA) delineations; estimated stormwater runoff and pollutant reduction performance; documentation of non-quantifiable benefits (e.g., increased community aesthetic); and, estimated whole-life cycle costs (e.g. design, construction, operation and maintenance). Concept design information will be provided with accompanying aerial maps, CAD drawings, engineering details and illustrations with sufficient detail for a successful “hand over” for further design.

Deliverables: Minimum of 30 concept designs (i.e. 30% design) provided in an 11 X 17

format with accompanying native files as appropriate (e.g., CAD drawings, Excel spreadsheets).

Schedule: September 30, 2017

Hours: 426

3.4 Agency Coordination

The Contractor will solicit involvement and support from key municipal staff to increase project success. The Contractor will seek engagement and support from municipal executive decision-makers to improve short- and long-term success of municipal green infrastructure implementation. Similarly, the Contractor will work with municipal staff to obtain relevant and critical information to support concept design development and increase staff level familiarity, internal capacity and support for green infrastructure integration as part of municipal government culture.

Deliverables: At minimum two project meetings per participating municipality. One multi-partner meeting as facilitated by the Contractor but hosted by one or more of the participating municipalities.

Schedule: On-going through September 30, 2017

Hours: 80

3.5 Development of Supporting GIIP Documents

The Contractor will coordinate with the Water Board and participating municipalities to develop a guidebook or equivalent resource that documents the Task 3 process. Intended as a simple “How To” document with a target audience of municipal planners, CIP staff, transportation engineers and stormwater program managers. The emphasis of the guidance will be the steps necessary to adequately review non-stormwater projects for integration of LID / green infrastructure opportunities and once identified, develop the necessary information regarding design, costs, and constraints necessary for further project development. Guidance will also include a roadmap or similar that indicates which municipal staff need to provide input on any design option being considered (e.g. transportation staff, facilities staff). This task also includes limited support to guide municipalities in the development of a City Council Resolution or equivalent that outlines the intent and direction regarding green infrastructure and the role of all municipal departments to successfully progress toward associated goals.

Deliverables: GIIP guidance document, primary text not to exceed 15 pages. Sample Council Resolution for Green Infrastructure.

Schedule: September 30, 2017

Hours: 42 (30 GIIP; 10 GI Resolution)