

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE ADMINISTRATOR OF THE DEPARTMENT OF PUBLIC WORKS TO APPLY FOR AND, IF APPROVED, ACCEPT A GREEN DEVELOPMENT GRANT FROM THE TENNESSEE STORMWATER ASSOCIATION FOR THE DEVELOPMENT OF A “LOW IMPACT DEVELOPMENT (LID) EXCELLENCE AWARDS PROGRAM”, IN THE AMOUNT OF TWENTY-EIGHT THOUSAND EIGHTY DOLLARS (\$28,080.00) FOR THE DEPARTMENT TO PROVIDE A TWENTY (20%) PERCENT IN-KIND MATCH IN THE AMOUNT OF FIVE THOUSAND SIX HUNDRED TWENTY DOLLARS (\$5,620.00), FOR A TOTAL AMOUNT OF THIRTY-THREE THOUSAND SEVEN HUNDRED DOLLARS (\$33,700.00).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, TENNESSEE, That the Administrator of the Department of Public Works is hereby authorized to apply for and, if approved, accept a Green Development Grant from the Tennessee Stormwater Association for the development of a “Low Impact Development (LID) Excellence Awards Program,” in the amount of \$28,080.00 for the department to provide a 20% in-kind match in the amount of \$5,620.00, for a total amount of \$33,700.00.

ADOPTED: _____, 2012

/mms

To Steve 11/28/12

City of Chattanooga



Resolution/Ordinance Request Form

Date Prepared: November 28, 2012

Preparer: Dennis Malone

Department: Public Works

Brief Description of Purpose for Resolution/Ordinance: _____ Res./Ord. # _____ Council District # _____ TBD

A Council Action is requested for the Administrator of the Department of Public Works to apply for and, if awarded accept a Green Development Grant from the Tennessee Stormwater Association for the Development of a "Low Impact Development (LID) Excellence Awards Program" in the amount of \$28,080.00 and for the Department to provide a twenty percent (20%) in-kind match.

Name of Vendor/Contractor/Grant, etc.	<u>Tennessee Stormwater Association</u>	New Contract/Project? (Yes or No)	<u>No</u>
Total project cost \$	<u>33,700.00</u>	Funds Budgeted? (YES or NO)	<u>Yes</u>
Total City of Chattanooga Portion \$	<u>5,620.00</u>	Provide Fund	<u>6030</u>
City Amount Funded \$	<u>5,620.00</u>	Provide Cost Center	<u>K70101</u>
New City Funding Required \$	<u>0</u>	Proposed Funding Source if not budgeted	_____
City's Match Percentage %	<u>20%</u>	Grant Period (if applicable)	_____

List all other funding sources and amount for each contributor.

<u>Amount(s)</u>	<u>Grantor(s)</u>
<u>\$28,080.00</u>	<u>Tennessee Stormwater Association</u>
<u>\$5,620</u>	<u>IN-KIND MATCH</u>
_____	_____
_____	_____
_____	_____
_____	_____

Agency Grant Number _____

CFDA Number if known _____

Other comments: (Include contingency amount, contractor, and other information useful in preparing resolution)

Approved by: _____

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

Please submit completed form to @budget, City Attorney and City Finance Officer

Revised: 1/26/09



City of Chattanooga

Department of Public Works
Administration Division

September 27, 2012

Jennifer Watson
Environment Specialist
Stormwater Section
Division of Water Resources
Tennessee Department Of Environment and Conservation

Via email: Jennifer.Watson@tn.gov

Re: Letter of Intent
Chattanooga Green Development Grant Proposal: "LID Excellence Awards"

Dear Ms. Watson,

The City of Chattanooga (City) is submitting the attached application for the Green Development Grant.

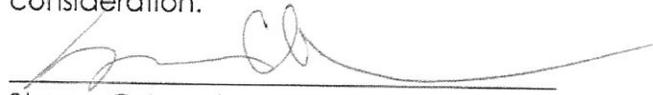
The City is proposing to develop and implement a "Low Impact Development (LID) Excellence Awards Program". The LID Excellence Awards will recognize outstanding achievement of land development/redevelopment projects exceeding regulatory requirements or meeting regulatory requirements through innovative green infrastructure (GI) technologies. The LID Excellence Awards will recognize individuals (developers, engineers, architects, landscape architects, contractors, etc.) and organizations that have demonstrated a commitment to environmental sustainability in our community. Such individuals and organizations will be rewarded by the City for excelling in the planning and implementation of "out-of-the-box" LID/GI approaches and solutions to challenging site development/redevelopment projects.

The City believes that such incentive program is unique and a powerful tool to drive and widely spread the adoption and implementation of LID/GI in the development community in Chattanooga. This award program could be later duplicated by other MS4 communities in Tennessee. The applicants to this award program will be contending for any of these three (3) categories: new development, redevelopment and retrofit. In addition to the recognition, a plaque and \$5,000 will be awarded to the winning project at a ceremonial luncheon.

The City will be developing the application and eligibility requirements and the selection guidelines for the LID Excellence Awards program. The City will involve non-

profit organizations to assist in the development of such criteria. The City will provide 20% in-kind match in personnel time to develop and implement the "LID Excellence Awards" program.

Feel free to contact the City Water Quality Manager, Mounir Minkara at (423)643-5867 or email: minkara_m@chattanooga.gov, for any additional information. Thanks for your consideration.

A handwritten signature in black ink, appearing to read 'S. Leach', written over a horizontal line.

Steven C. Leach
Administrator of Public Works

2012 Green Development Grant Funding Proposal

NAME OF PROJECT: LID Excellence Awards Program

Lead Organization:

City of Chattanooga Public Works – Water Quality Program

Dr. Mounir Minkara, Water Quality Manager

1250 Market Street, Suite 2100

Chattanooga, TN 37402

Phone: 423.643.5877

minkara_m@chattanooga.gov

Cooperating Organization:

green | spaces

Anj McClain, Director

63 East Main Street

Chattanooga, TN 37408

Phone: 423.648.0963

anj@greenspaceschattanooga.com

green | spaces' mission is to work towards regional sustainability by progressing the way we live, work and build. The green | spaces initiative began in 2008. In 2011, green | spaces was awarded a 501(c)(3) and has evolved into a community keystone for sustainable building. To date, green | spaces has advocated for, incentivized and consulted on 17 LEED Certified projects, as well as, 8 projects that are currently tracking for certification; 25 LEED projects in total. In addition, 17 solar array installations and 10 green roofs have been actualized in Chattanooga due to green | spaces' efforts. green | spaces has also assisted 120 community members achieve a LEED professional credential.

PROJECT NARRATIVE:

The City Water Quality program, with the aid of green | spaces, is proposing to develop and implement a low impact development (LID)/green infrastructure (GI) excellence awards program. The City of Chattanooga is developing this program to recognize outstanding achievement of developers exceeding regulatory green infrastructure requirements or meeting regulatory requirements that can be very challenging for certain development. The program will recognize individuals (developers, architects, engineers, etc.) and organizations that have demonstrated a commitment to the environment sustainability in our

community. Such individuals and organizations will be rewarded by the City through green | spaces for excelling in the implementation of "out-of-the box" LID/GI approaches and solutions to challenging new site development, redevelopment and retrofit projects.

A press release will be launched to announce to the community the LID Excellence awards and the dates that the nominations are due. The top contenders will be recognized at the "Award Luncheon". The winners will be announced on the City's web page along with a press release. Signs will be placed at the winning sites describing the LID practices and the importance of such practices to water quality. The City of Chattanooga will use these sites when conducting tours for the best LID sites.

In addition, this award program would:

- Incentivize developers and landowners to develop or redevelop their properties in a more sustainable manner by implementing innovative LID/GI practices.
- Raise awareness of LID that will assist in restoring the natural hydrologic functions of a site.
- Improve water quality by increasing the number of LID/GI installations.

Currently, the City requires all developments to submit a long-term maintenance plan and an INSPECTION AND MAINTENANCE AGREEMENT OF PRIVATE STORMWATER MANAGEMENT FACILITIES which is a legal document that is recorded with the County Register of Deeds. The City has also an on-going inspection program targeting all private and public best management practices to insure they are being well maintained.

The City believes that this incentive program is a unique and powerful tool to drive and widely spread the adoption and implementation of LID/GI in the development community in Chattanooga. This award program could be later duplicated by other MS4 communities in Tennessee. It will demonstrate to statewide design professionals, and to the development and civic communities, the economic, environmental and marketing benefits that are available to those developers and local governmental entities who adopt and innovate with respect to sustainable site development.

In addition to the recognition, a plaque and a financial award will be provided to the winning project classified in each category below for the design and implementation of LID/GI projects:

Challenge Categories

- 1) Development
- 2) Redevelopment, and
- 3) Retrofit

LID Excellence Awards Luncheon

Presentation of awards to the winners will be the highlight and culmination of the awards program. It will be held at a special LID Awards Luncheon.

Eligibility and Selection Committee

A committee will be formed to review sites nominated for the LID Excellence Awards. This committee will have representation from Cit, state officials and non-profit organizations.

LID Excellence Awards Application

The City will develop an application form that can be used by the site developers (or their representatives) to be nominated for the LID Excellence Awards.

Implementation Goals or Qualifications

- Conserve natural resources that provide natural functions associated with controlling and filtering storm water.
- Use decentralized, small-scale landscape features and LID Integrated Management Practices (IMP).
- Reduce the amount of runoff by mimicking the natural hydrologic function of the site and matching pre-development hydrology.
- Minimize the use of and/or reduce the size of pipe and other centralized control and stormwater treatment infrastructure.
- Minimize and disconnect impervious surfaces and promote bio-filtration of runoff to improve the quality of storm water leaving the site.
- Minimize or eliminate the use of potable water resources needed for irrigation and where practical provide for the reuse of rain water.
- Use enhanced quality of life values and reduced maintenance costs inherent in LID practices to increase marketability of the development and long term property values.

Selection Criteria

The recipient of this award will have demonstrated innovative green design concepts in the area of stormwater reuse/infiltration/evaporation, applied and maintained throughout the project the best sedimentation and erosion controls, in addition to minimizing the regional footprint impact from construction activity through the adaptation of innovative techniques such as construction debris reuse, recycling, energy efficient applications, etc.

Nominations will be evaluated based on the specific criteria and weighting formulas that will be developed by the City and green | spaces. Projects will be evaluated as much as possible on the quantifiable results that positively impact our receiving streams and the surrounding community.

Effectiveness – List the goals and measures of success.

- **Innovation, Creativity and Originality** – Discuss the methods, strategies, and innovative ideas.
- **Environmental Stewardship** – Describe measurable increases in ecological resiliency or how the nominee/applicant has improved the capacity for our ecosystems to provide us with resources.
- **Leadership** – Discuss how the nominee/applicant demonstrated vision, foresight, and persistence.
- **Sustainability Elements** – Describe how the nominee/applicant has improved social, economic, and ecological conditions.

Award Eligibility

- Each entry must come from an integrated design team that includes a minimum at least one Professional Engineer and one Registered Landscape Architect.
- The inclusion of team members from the Land Developers, Contractors and Construction disciplines, including students, is strongly encouraged.
- Individuals may not participate on more than one team competing in the same Challenge Category.

Proposed Time Line

April 2013	Develop award criteria
June 2013	Select review committee
November 2013	Deadline for Application to be submitted
April 2014	Awards selected and winners notified
May 2014	Awards Banquet

Grant Priority	Included in this Proposal	Proposal Focus Areas
Expected Benefit to water Quality	√	<ul style="list-style-type: none"> • Increase the restoration the natural hydrologic functions of the city's watersheds. • Increase proper designed, constructed and maintained LID/GI practices. • Reduce the volume and increase water quality of stormwater runoff to receiving streams and ground water. • Encourage more redevelopment and retrofits.
Level of commitment to, and long-term maintenance of, the project	√	<ul style="list-style-type: none"> • City requires all developments to submit a long-term maintenance plan and Agreement (a legal document recorded with the County Register of Deeds). • On-going inspection program, targeting all private and public best management practices, insuring proper maintenance.
Commitment to communicate green development benefits to the public	√	<ul style="list-style-type: none"> • A press release will be launched to announce the LID Excellence awards. • An "Award Luncheon" will be held. • Press release to announce awards recipients. • Signs of recognition, with water quality information, will be placed at the winning sites. • The winning sites will be used when conducting tours. • Demonstrate to design professionals, and to the development and civic communities, the economic, environmental and marketing benefits that are available to those developers and local governmental entities that adopt and innovate with respect to sustainable site development.
Leverage	√	<ul style="list-style-type: none"> • Raises awareness of GI and water quality. • Promotes GI implementation and excellence in development.
Transferability and scalability of projects	√	<ul style="list-style-type: none"> • Can be duplicated by other MS4 communities in Tennessee. • Plans are to build on this awards program targeting Individuals, businesses, organizations, educational institutions, and agencies.