Maywood Ave, Toledo
Green Streets Revitalization

Green Streets Webinar
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Project Goals

- Revitalize the neighborhood
- Community involvement
- Reduce stormwater runoff entering the CSO
- Improve water quality using green infrastructure
Demographics

- Single family residential
- Median home income $25,384 (average income in Toledo $32,546)
- 1/12 acre lots (30 by 120-ft)
- 66 lots (46 with houses)
- 25% Homeowners*

*Based on Lucas County Auditor AREIS Information
Green Streets

- Identify criteria for location of projects
- Review codes and make changes if necessary
- Empower the residents
- Removal of vacant properties
- Coordinate with other neighborhood services
Community Involvement

• **Goal**
  - full cooperation from the property owners
  - Connect people in urban areas to their water resources
  - Teach residents to be better stewards
  - Promote environmental education and awareness

• **Methodology**
  - City official presentations
  - Project factsheets and other literature
  - Website [www.raingardeninitiative.org](http://www.raingardeninitiative.org)
  - Public Meetings
  - Coordinate with “Toledo Grows” Green Jobs Corps
Funding Source

- Approached various government agencies
- Received 100% principle forgiveness subsidy
  Water Pollution Control Loan Fund (WPCLF) Green Reserve (20% Set Aside) American Recovery and Reinvestment Act (ARRA) Stimulus Funds
- Green Jobs Corps Youth Program-U.S. Dept. of Agriculture, NRCS and Lucas County funds
Site Characteristics

- 5-ft
- 8-ft
- 24-ft
- 8-ft
- 5-ft

Some healthy mature trees

Curb and gutter

On street parking allowed on south side only

1,300 ft long street

Approximate dimensions, some variation along project site
Oil stained pavement

Some dirt/gravel driveway and alleys

Some driveways off Maywood others accessed from alley behind the houses

Community Garden

Roof drains discharge on lawns
Design

- **Bioswales**
  - Curb cuts
  - Underdrain
- **Pervious Concrete Pavement**
  - Sidewalks
  - Driveway apron
  - Alley apron

**Bioswale cells typ.**

**Porous pavement sidewalks**

**Reclaimed limestone sidewalk pavers**

**Chip and seal dirt alleys**

**New curb and gutter with curb cuts at bioswales**
Plants and Soil

- City Forester tree assessment
- Trees (2.5” caliper, 30-ft spacing)
  - Honeylocust
  - Black Cherry
  - Shingle Oak
- Ground Cover
  - Buffalo Grass

Planting Soil Mixture
- 50% sand
- 30% topsoil (<5% clay)
- 20% leaf compost
Residential rain gardens and rain barrels
• Total Cost
  – ~$500k total project (swales, sidewalks, driveway approaches, curb and gutter, plantings, etc.)
  – ~$278k green infrastructure

• Highlights
  – Bioswales ~ $150/lf
  – Pervious concrete sidewalk 6-inch ~ $5/sf
• Early neighborhood involvement
• Coordinate with other agencies and departments
• Low Maintenance (mostly mowing grass)
• 0.58-in storage (of runoff, not rainfall)
Contact

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For More Information:
www.raingardeninitiative.org
Questions