

Deaderick: Tennessee's First 'Green Street'

Project Overview

Project Dates:	October 2008 - October 2009
Project Budget:	Under \$5 million
Lead Public Agency:	Metro Nashville Public Works
Contractor:	Roy T Goodwin Contractors
Landscape Architect:	Hawkins Partners
Engineer:	Civic Engineering & Information Technologies

"Green" Sustainability Project Highlights

- Provided a 700% increase in pervious area (diverting approximately 1.2 million gallons of stormwater from the Cumberland River per year)
- Incorporated bioswales (Rain gardens) at sidewalk level planting areas and at street level to capture, filter and infiltrate rainwater
- Porous concrete used to allow water infiltration in sidewalk to tree root zones
- Planting of 102 shade trees and 4249 shrubs, perennial and groundcover plants
- Irrigation: low flow nozzles (33% less water), drip system and soil moisture probe
- Pedestrian streetlights and guidance sign are LED
- LED traffic signals
- Solar powered parking meters
- Recycled, crushed concrete used for sub-base for concrete walks
- High percentage recycled steel used in pedestrian light poles, tree grates, fence, trash/recycling containers, pedestrian guidance signs
- Recycled coal fly ash within the concrete
- One of the first application of "green street" methods in Southeast