

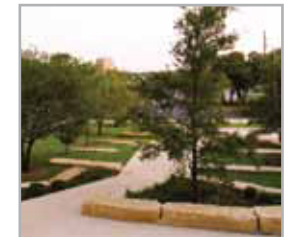
AUSTIN CITY HALL

Location: Downtown Austin

Project type : Institutional

Year installed : 2005

Description : The Austin City Hall green roof is comprised of two publicly accessible green roof systems: the first is a plaza on top of underground parking, the second is a terrace over occupied space. Construction is cast-in-place concrete. Maintenance is contracted at once per week.



Photos courtesy of M. Knox, R. Manning, E. Jarger, A. Wong

Awards: Green Roof Award of Excellence from Green Roofs for Healthy Cities in 2008 for the Intensive Institutional Category; Certificate of Exceptional Merit from National Wildlife Federation; 1st LEED Gold Project in Austin

Green roof area: Over parking garage: 11,145 square feet; over occupied space: 2,480 square feet

Green roof type: Intensive, monolithic, 3 feet of soil depth

Reason for green roof: Sustainability, educational model, wildlife habitat, aesthetic, amenity

Green roof components: Garden Roof Assembly, American Hydrotech

Vegetation: Native trees, shrubs, and groundcover

Water Use: Efficient irrigation technologies such as stream bubblers and drip irrigation to minimize water use by applying water directly at the plant roots. No potable water was used due to the availability of ground water as the source.

Amenities: Waterfall uses HVAC condensation

Lessons learned: Construction scheduling issues need thorough review and coordination. Maintenance needs to be tailored to green roof considerations.