



Creating a 'There' Here

Livable Phoenix

Nan Ellin, Ph.D. Associate Professor Arizona State University

Revitalizing Phoenix

- Nature and the City
- ASU and the City
- Cores and Corridors
- The Car and the City

ASU Integral Studio (May 2002): Urban Thresholds



JEWELS



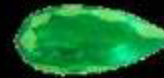
DIAMONDS – MEDICAL CAMPUS



SAPPHIRES – ASU DOWNTOWN CAMPUS



CITRINE -- HOUSING



EMERALDS – ENVIROMENTAL ENHANCING



AMBER – MOVEMENT



RUBIES – INSTANT ART/ADVERTISING/SERVICE



TURQUOISE-- CENTRAL AVENUE MARKET



AMETHYST – ART INFUSION

PROPOSALS FOR DOWNTOWN PHOENIX REVITALIZATION



JEWELS

- | | |
|---|---|
|  JADE - AGRICULTURE |  TANZANITE - DESIGN ZONING |
|  RUBIES - KIOSKS |  TURQUOISE - RETROFITTING THE ARIZONA CENTER AND CHILDREN'S CENTER |
|  ROSE QUARTZ - ART SPACE-PHOENIX |  OPAL - WEAVING DOWNTOWN |
|  TOPAZ - INTEGRAL STUDENT LIVING |  EMERALD - UNPWING PARADISE |
|  AMBER - ASU DOWNTOWN BUSINESS ADVISORY CENTER | |



Environmental Enhancing

Emeralds

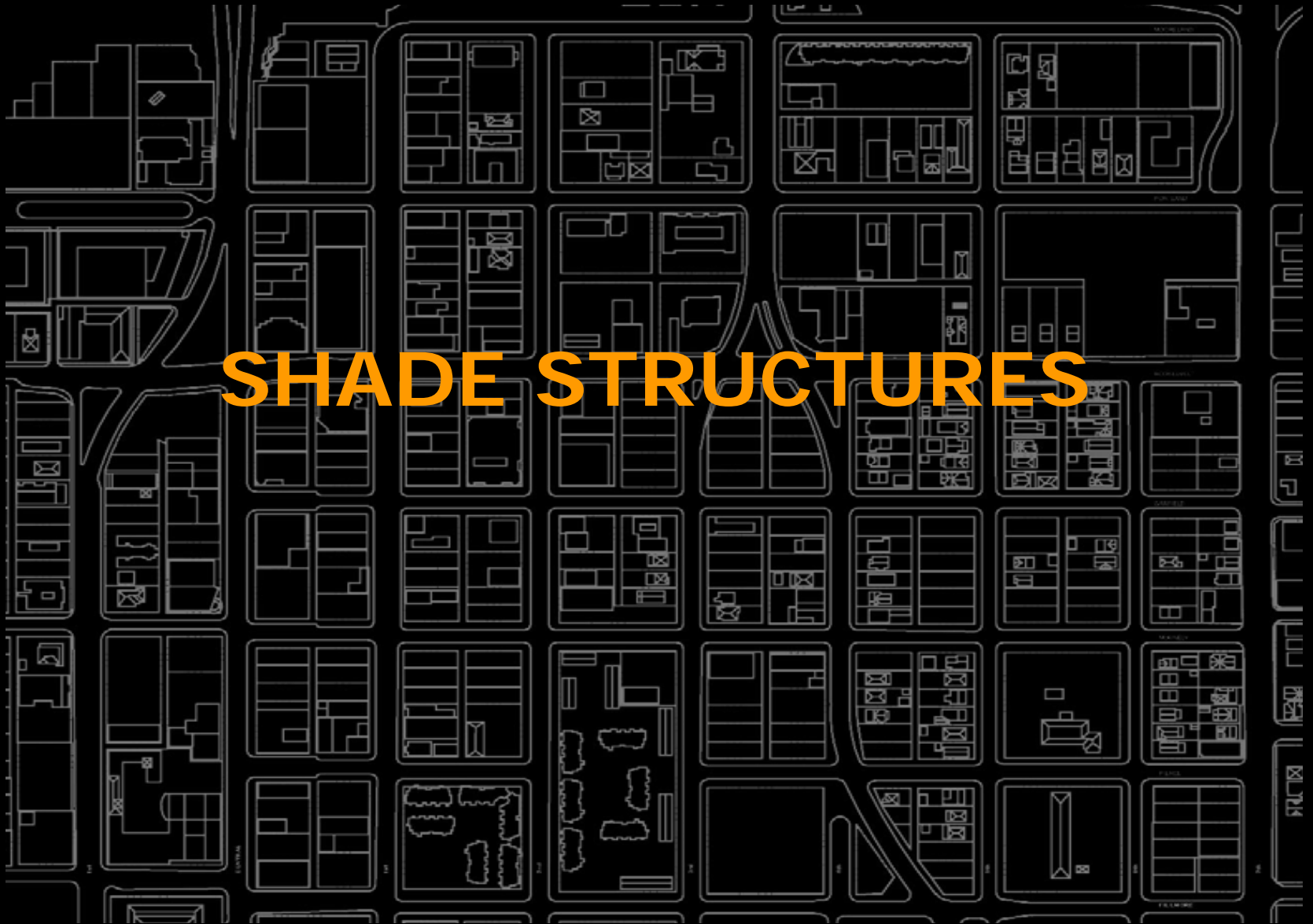
Downtown Phoenix Conservancy

initiated by Cyd West 2003

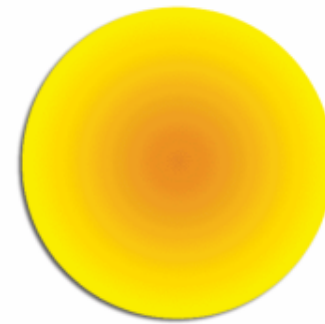
Non-profit organization dedicated to the creation and preservation of nature in the city through:

- Community gardens (City Sprouts)
 - Playgrounds
 - Recreational areas
- Linear parks, pathways, & trails
- Date palm groves (Agri-tecture)
- Connective shade structures (Cool Connectors)

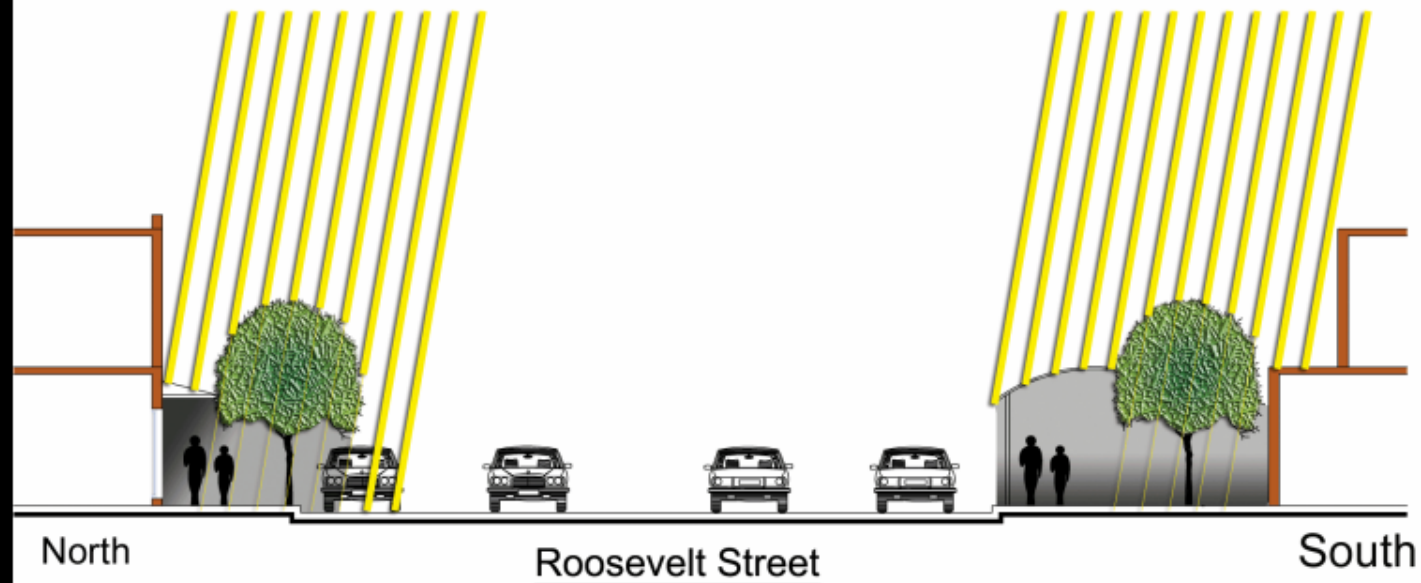
SHADE STRUCTURES



Shading Through the Year



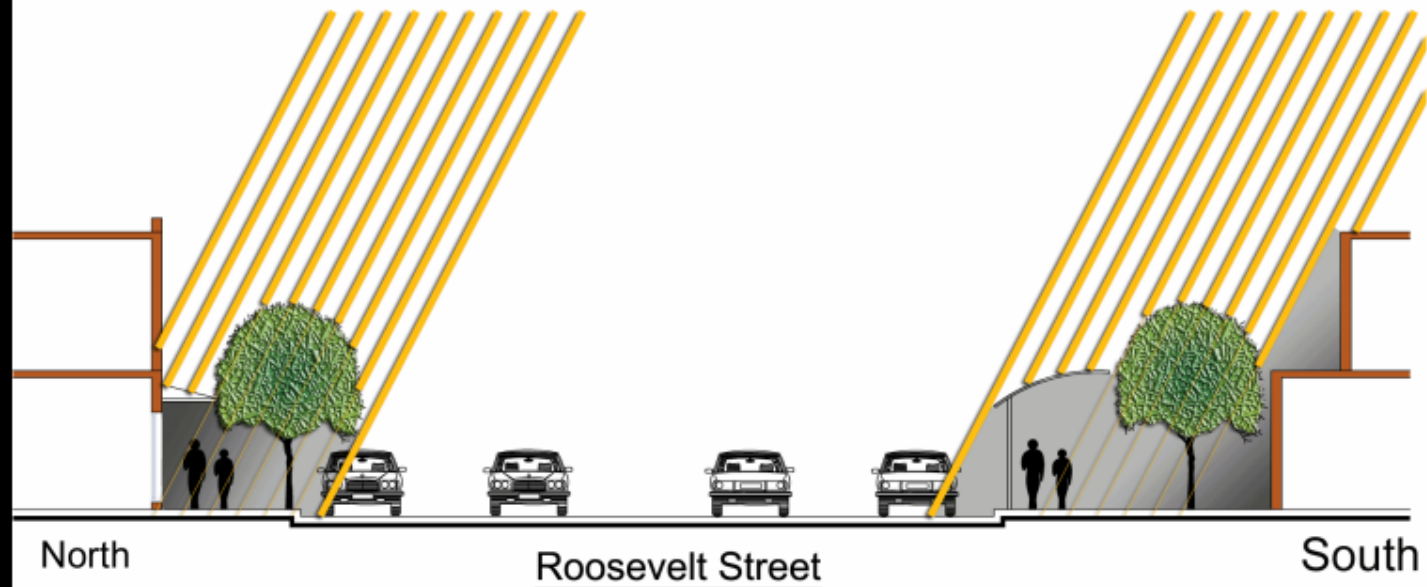
June



Shading Through the Year

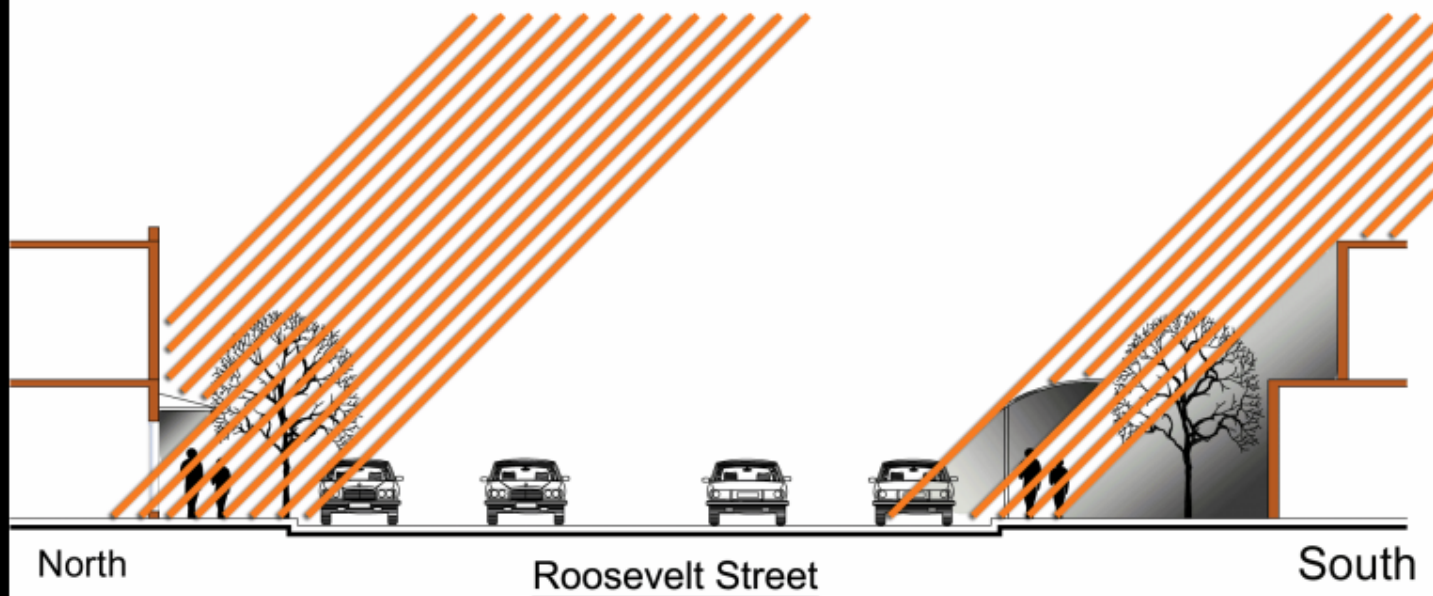


September

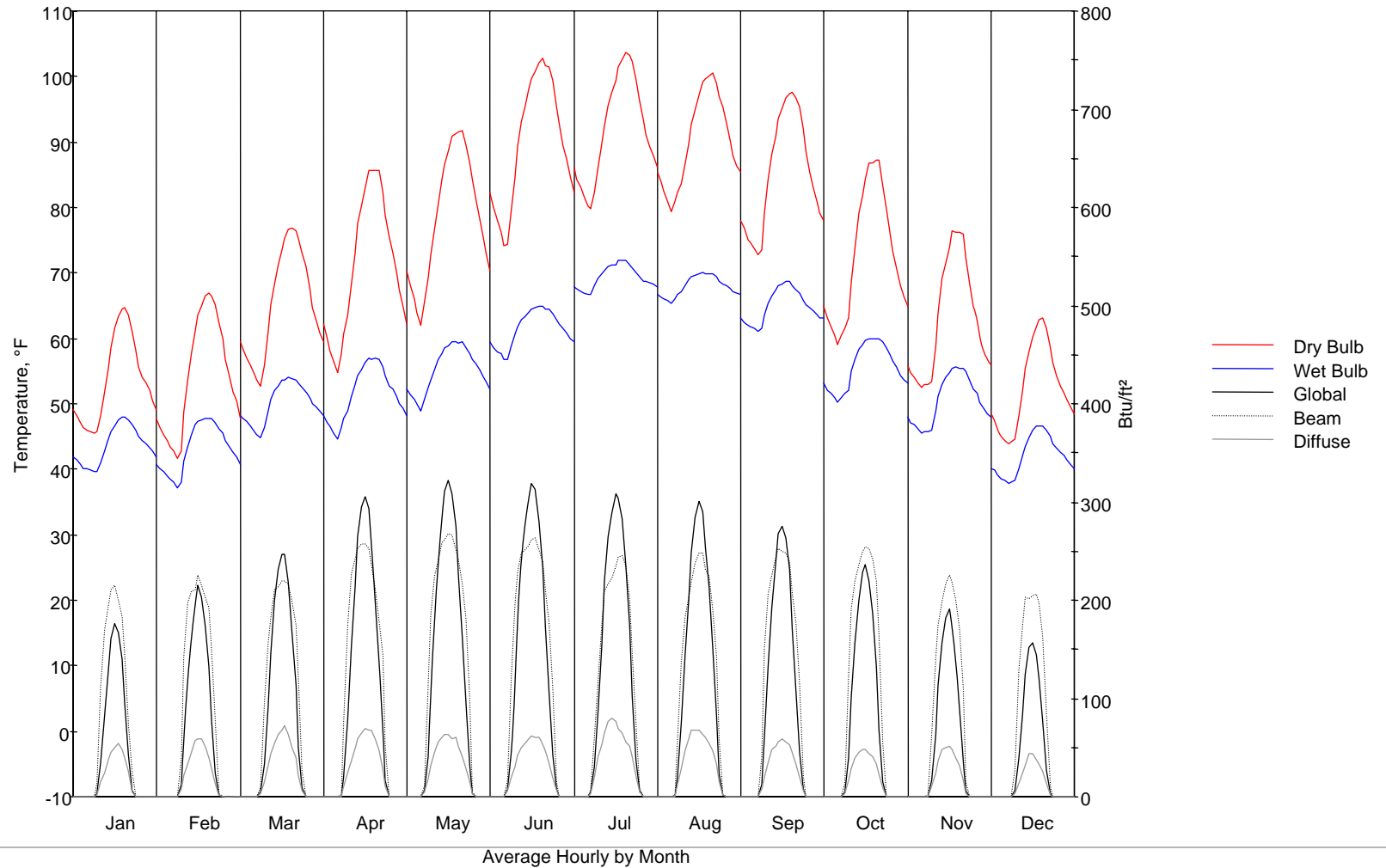


Shading Through the Year

December

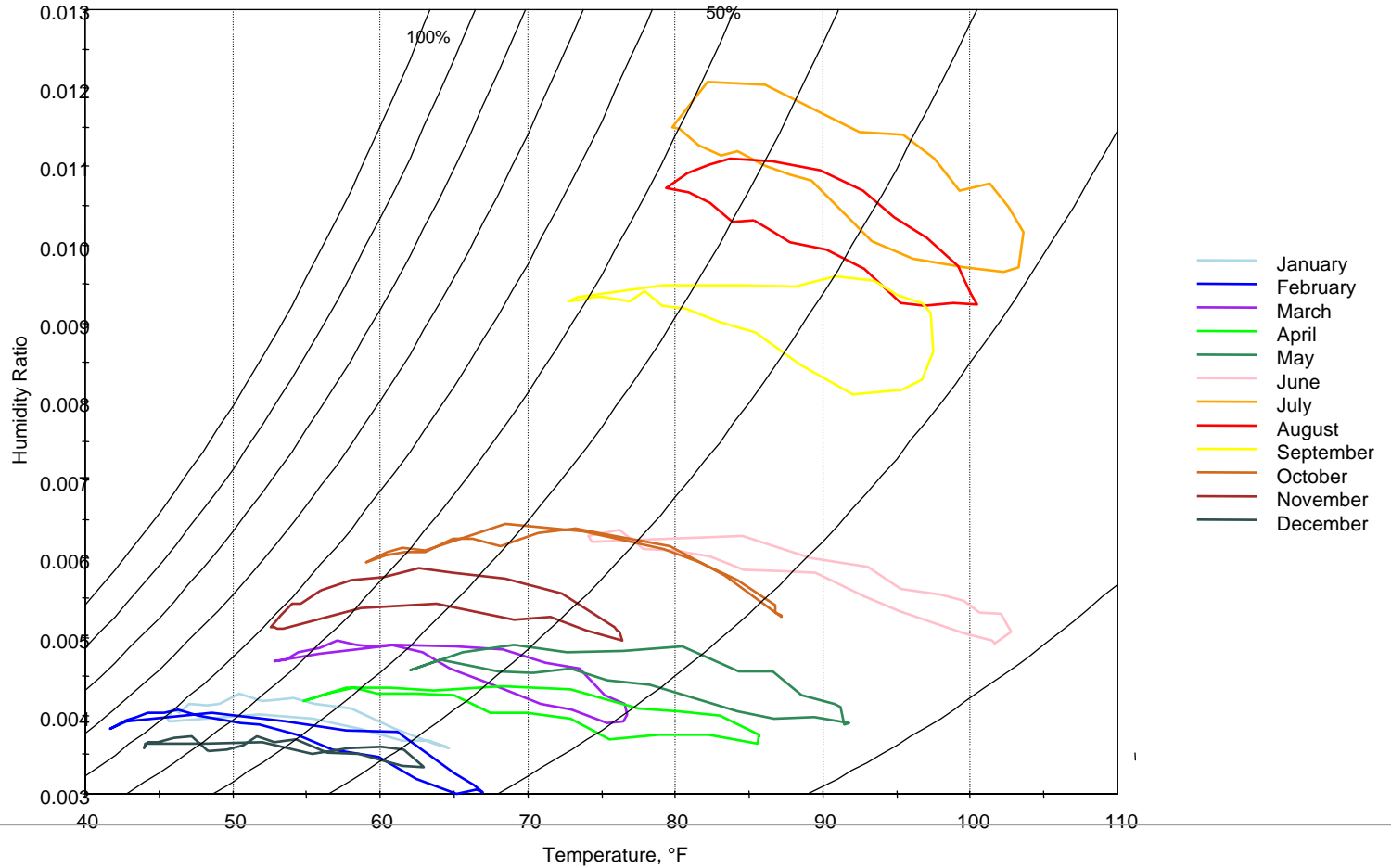


Temperatures & Solar Radiation
Phoenix, Arizona

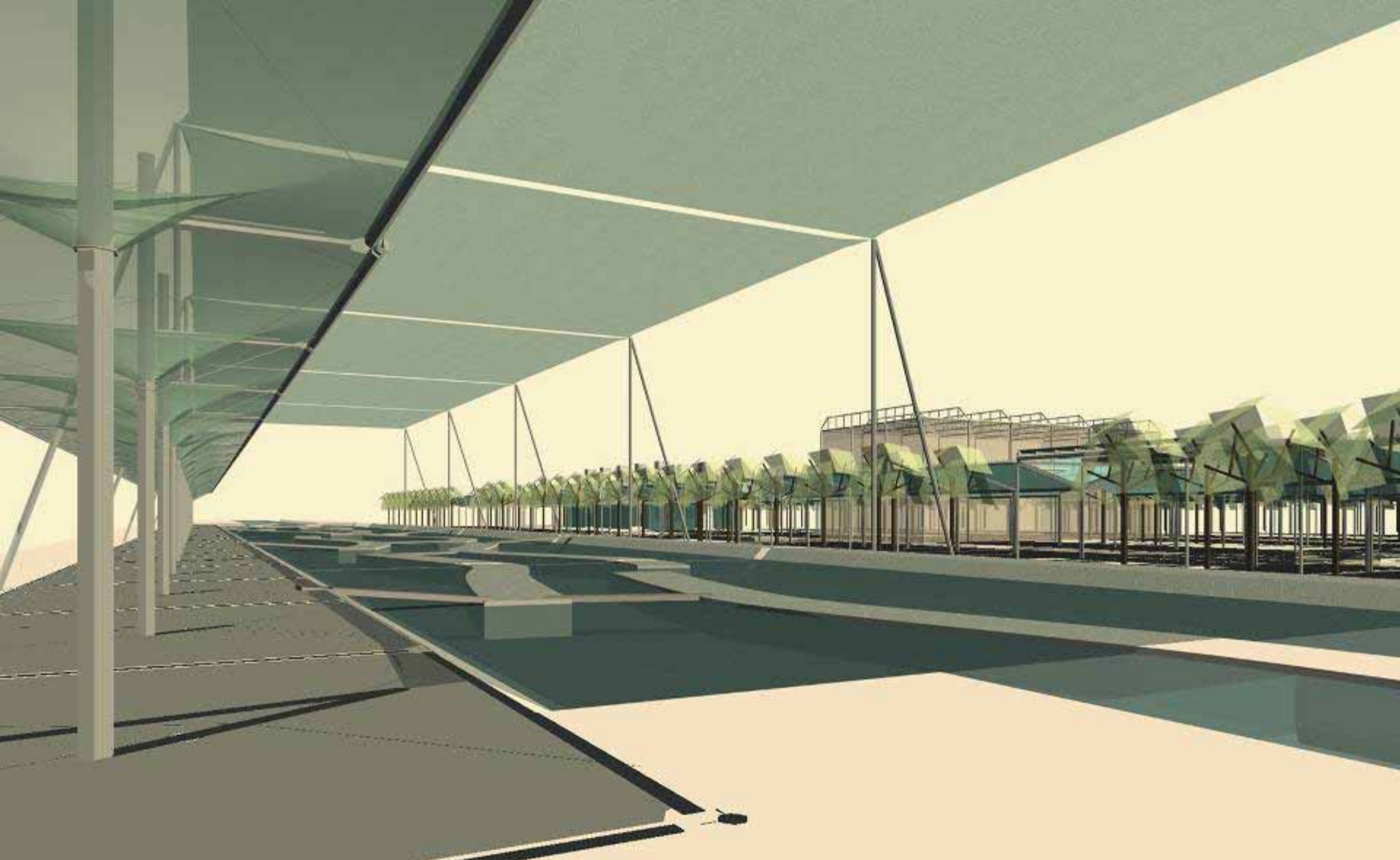


Climate Graph – Avg. Hourly Temperatures & Solar Radiation: from Weathermaker

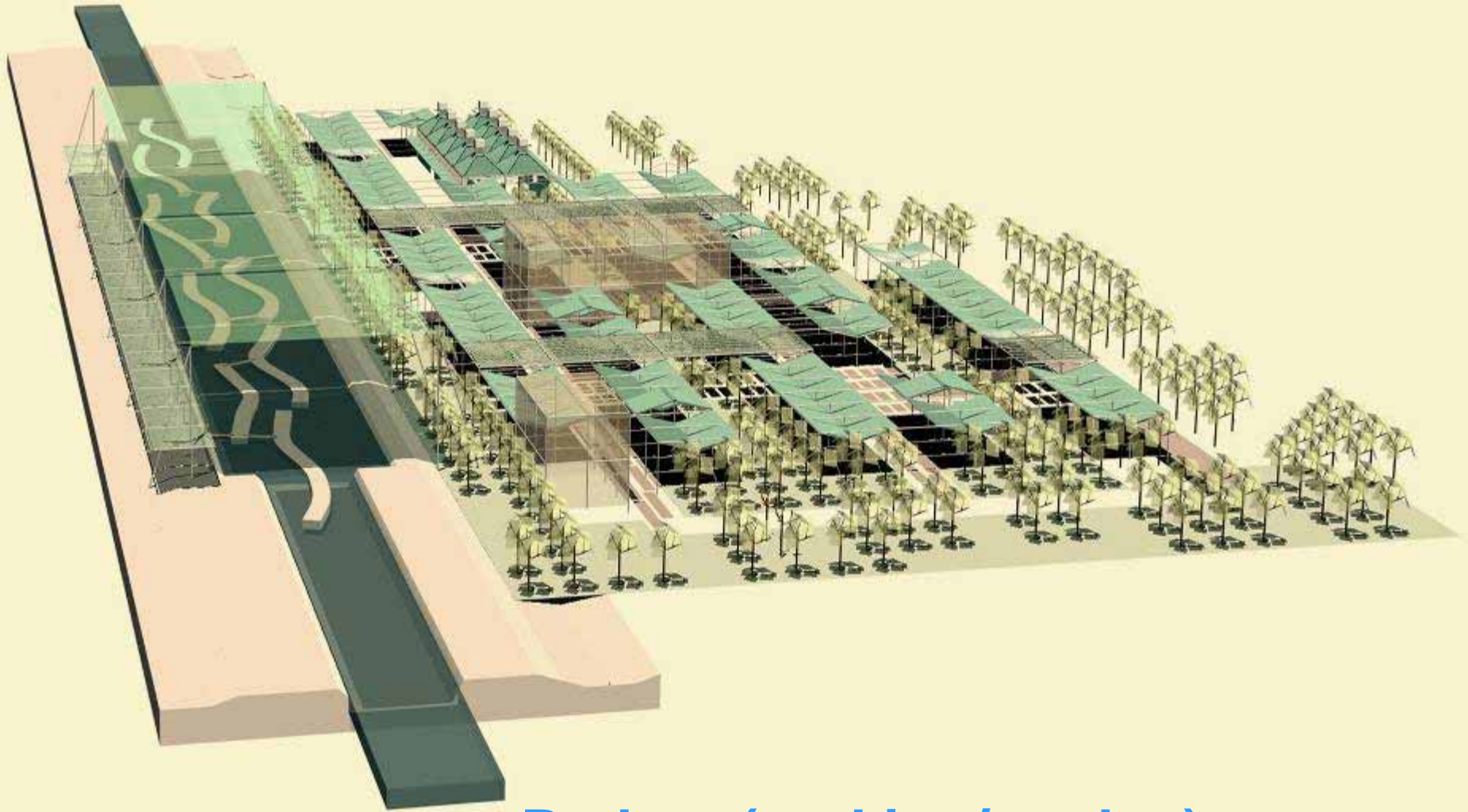
Typical Day Psychrometric Chart
Phoenix, Arizona



Climate Graph – Psychrometric Chart of Typical Days: from Weathermaker



Shade over Canal
Integral Studio: Cool Connector
Dan Hoffman 2001



Park-et (parking/market)
Integral Studio: Cool Connectors
Dan Hoffman 2001



Phoenix Public Market

Integral Studio

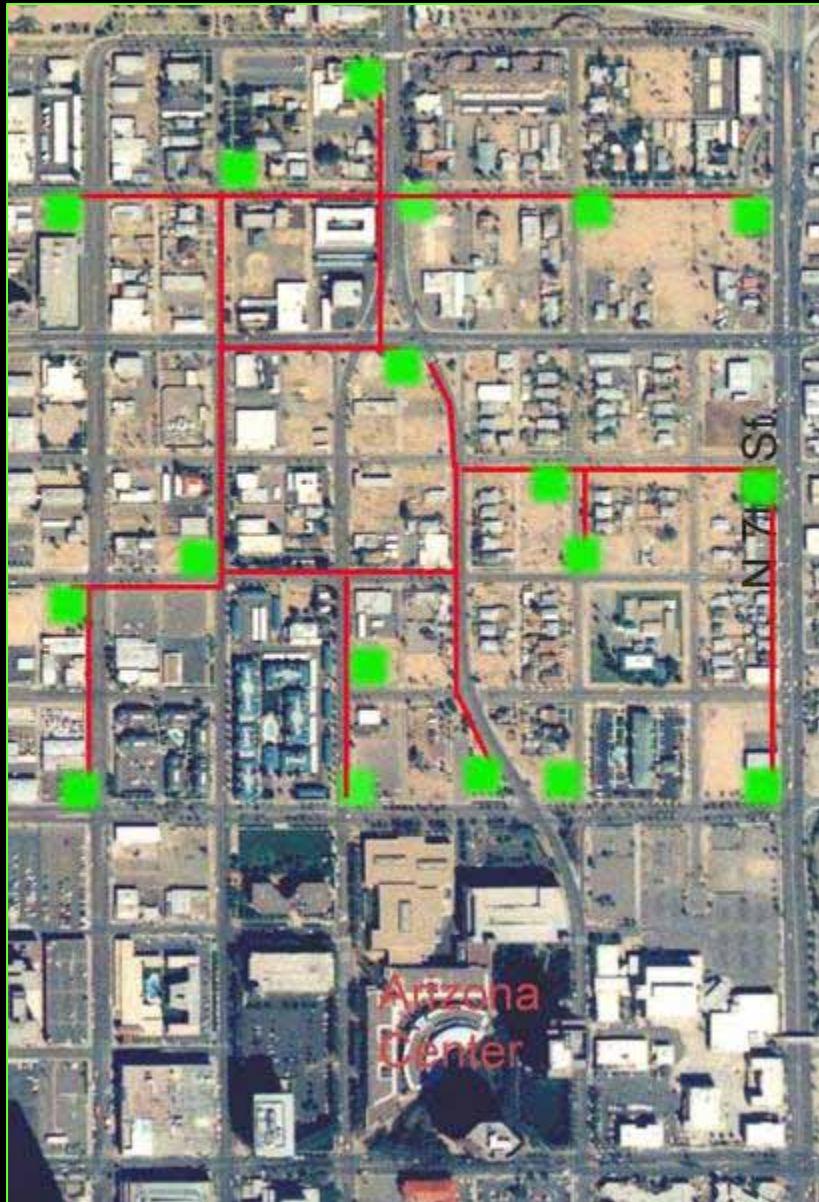
Spring 2004

See 3 videos on the
Re-introduction of Nature
by Jesus Lara

Instructions:

1. Click on projector.exe
2. Click on each video separately

Urban Park Network



Small scattered parks, variously programmed, linked by linear parks, including the potential rail + trail with the new Phoenix Public Market. *e.g. Savannah, Barcelona, Denver*

Continue to revitalize Margaret Hance Memorial Park (Deck Park)



City Sprouts

Urban Gardens for Phoenix

Case Study
Center for Urban Education about Sustainable Agriculture
CUESA (Bay Area, CA)

'01 5 8



'01 5 8

Green It Up!

Benefits of Urban Gardens



- Promote social interaction
- Encourage community involvement
- Provide alternative food source
- Promote community distinction
- Educational opportunities
- Outreach programs
- Promote cooperation among a variety of institutions and groups
- Viable infill option for unused city lots



City of Phoenix Resolution

Whereas, The City of Phoenix recognizes and supports urban gardening as an activity that can enhance community development, promote positive social interaction, strengthen environmental awareness and community education, the City Council of Phoenix proposes the following resolutions and their subsequent actions.

Resolution I: The City of Phoenix will support and encourage the development of urban gardening centers through the following actions:

- Establishment of a **City Sprouts** program to promote and organize the creation of urban gardens.
- Provide access to information concerning the development and management of urban gardens.
- **City Sprouts** will be included in evaluation of priority use of surplus city property.
- Establishment of educational programs involving both community residents, surrounding schools and outreach programs



City of Phoenix Resolution

Resolution II: The City of Phoenix will support and encourage the management of urban gardens through the following actions:

- Promote interagency cooperation and intergovernmental cooperation among agencies such as Parks Department, Engineering Department, Housing authority, Local school districts, Water department, waste management and Valley Metro.
- Provide administrative and budgetary resources when possible to help the public manage urban gardens to the fullest extent possible.
- Provide easy access to information concerning the management of urban gardens.

Livable Streets

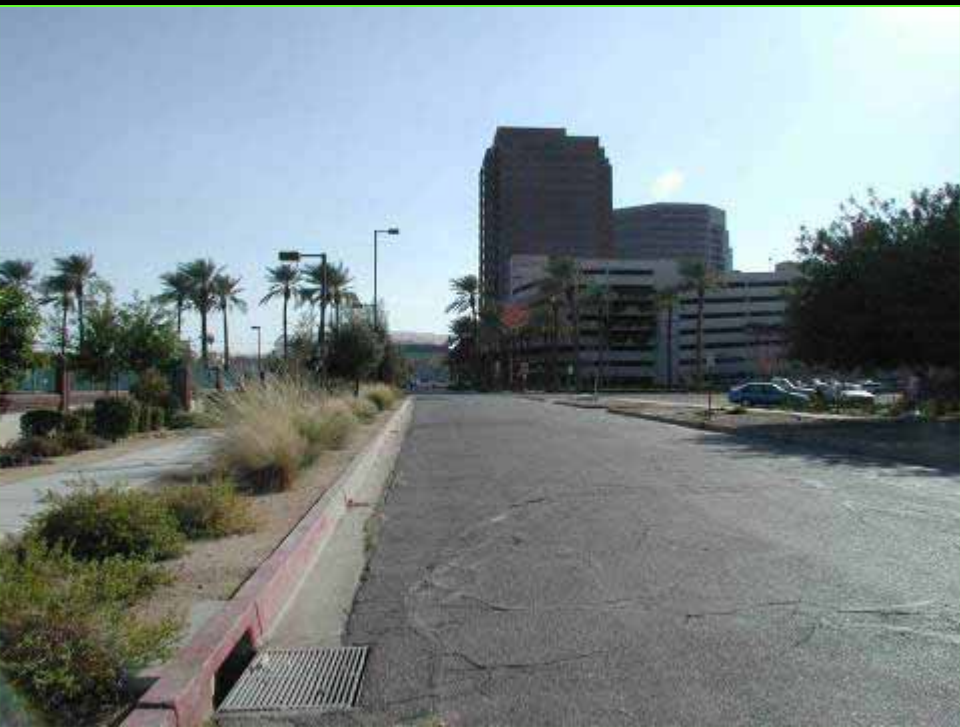
Activate right-of-ways



Street Resurfacing

Alternative paving surfaces:

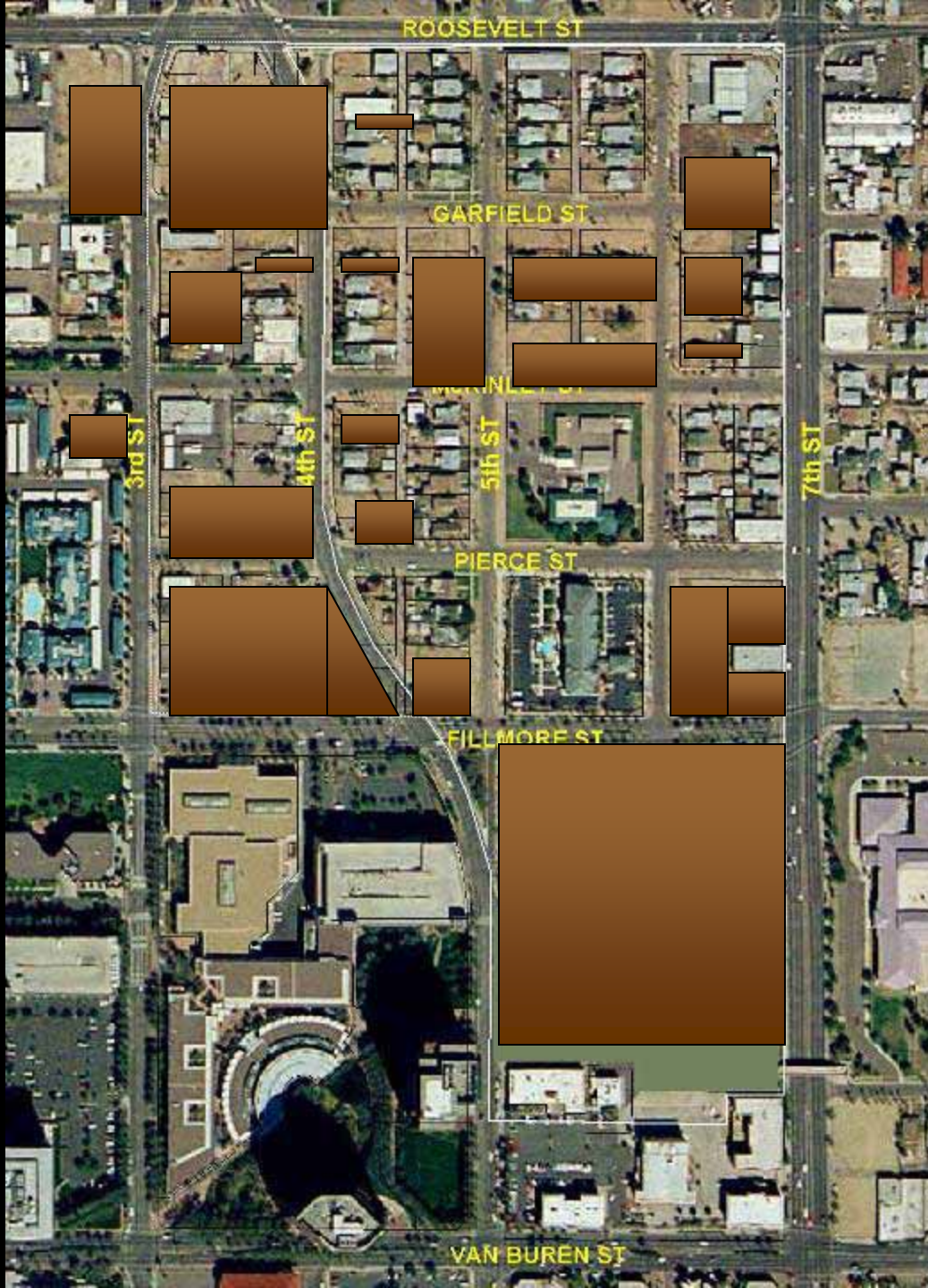
- Lower temperatures of open areas--reduce “heat-island effect”
- Permeable parking surfaces
- Additional open spaces in residential areas



Rob Merrill: Agritecture

JADE





**Downtown
Phoenix
has more
vacant land
than any
other major
city in the
US.**





**NO
DUMPING**
VIOLATORS
WILL BE
PROSECUTED
LOT NO. 5449

**NO
PARKING**
POLICE DEPT
WILL
IMPOUND
HEATHFIELD CITY NO. 5449



At Pueblo Grande, it is estimated that the canal system irrigated at least 10,000 acres of farmland.



Date palm groves on landbanked lots



Date Palm Groves

- Immediate beautification of downtown
- Movable
- Sellable
- Income producing
- Organic (no pesticides)
- No expensive equipment (a ladder)
- Ag work base within walking distance
- Marketing on site (no shipping)
- Downtown Date Festival
- Tie directly to our unique heritage

Costs

- 50 date trees per acre
- Shoots cost \$100 each
- \$5,000 per acre for trees
- \$1000 labor
- \$500 drip irrigation
- \$6500/acre

15 cents per ft²

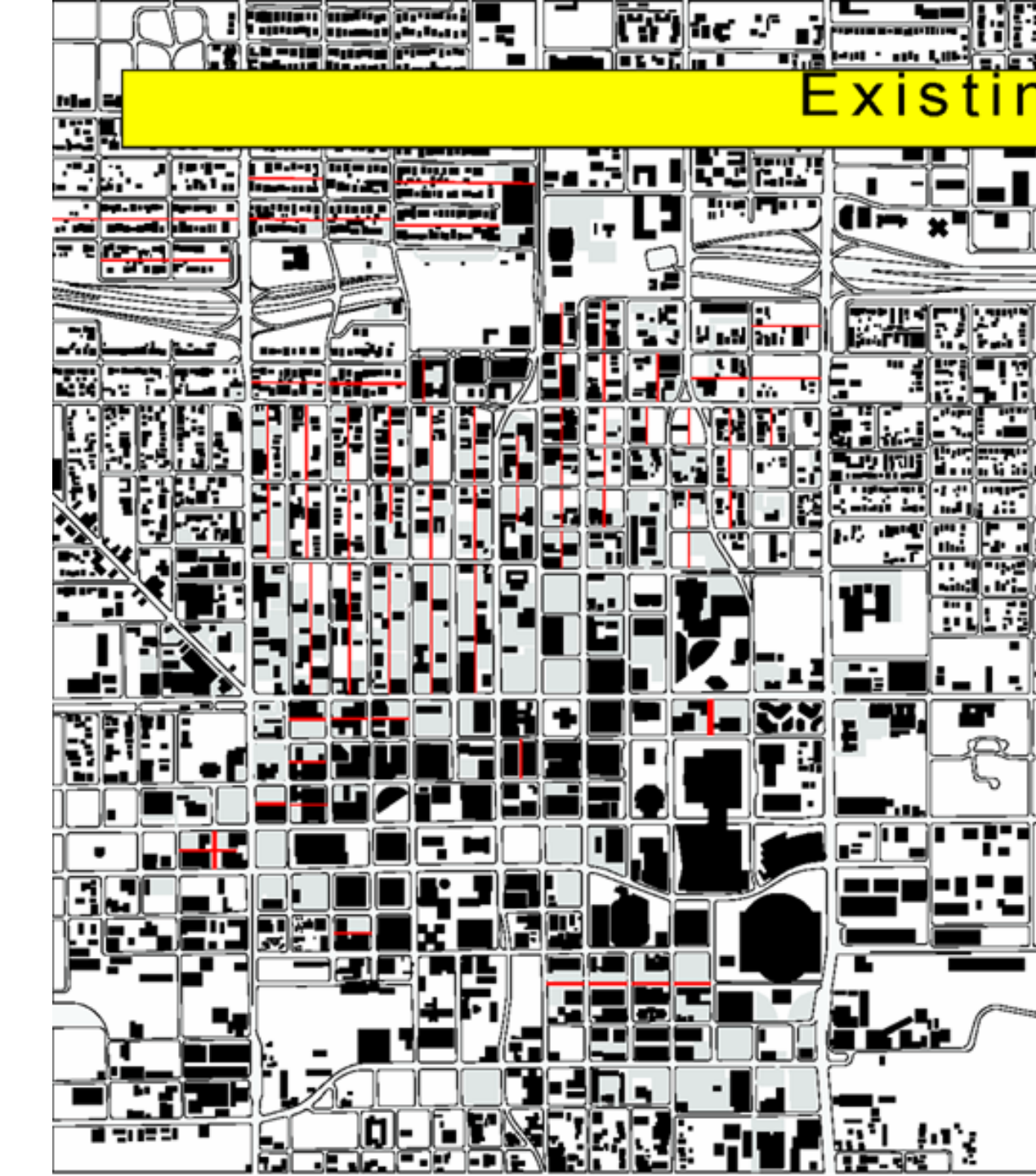


Income

- Mature date tree produces 300lbs. of fruit
- Date stands: \$2-8 per pound and date shakes
- Mature trees sell for \$50 per trunk foot
- 3 offshoots per tree first 5 years
- Date festivals
- Cost differential of conversion to agricultural



Alleyscaping
Jonathan Wright



Existing Alleyways

Another opportunity for connection between the greenspace around I-10 and a possible rail to trail park system south of downtown lies in the existing alleyways which are scattered throughout the city. Development of regulations and infrastructure for these alleyways could provide a pedestrian friendly trail system away from the main vehicular traffic. It would also beautify an area that traditionally is forgotten.

AlleyScaping

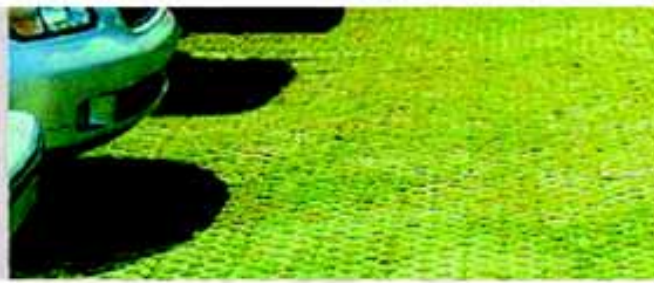
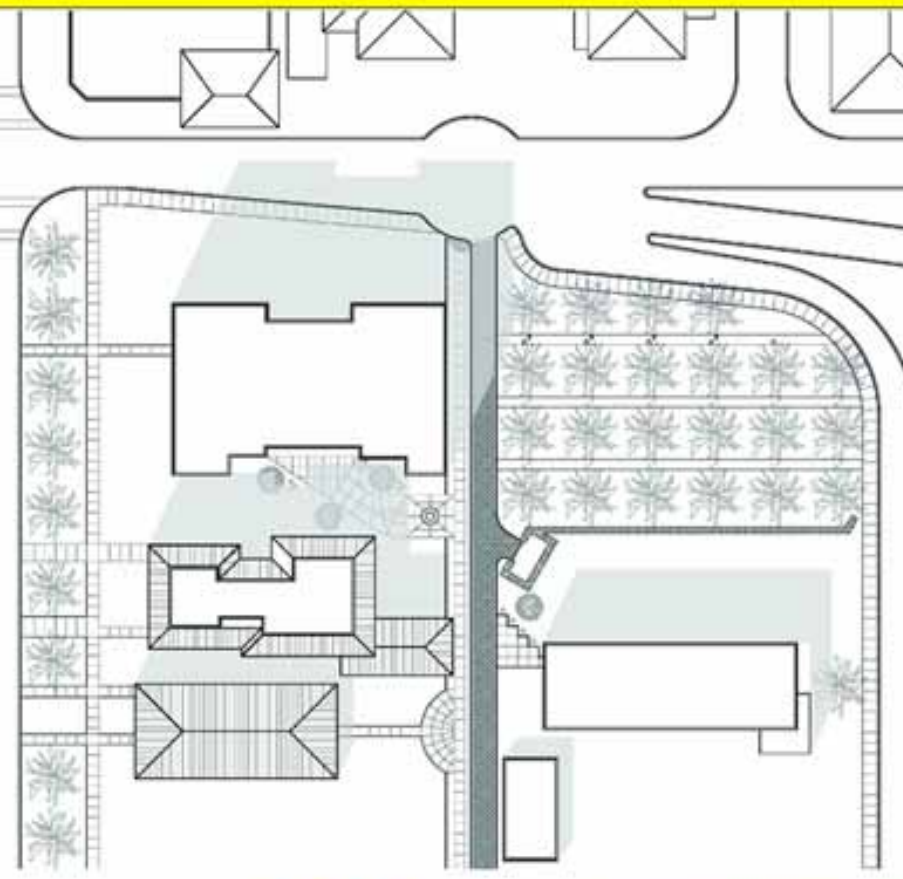


The use of date palms on the vacant lots would provide shade and help create a park environment. The subsequent use of other temporary fixtures and amenities would further define the greenspace while maintaining the ability to be moved at the point when a developer wants to build or sell the piece of property. Gabion Walls consist of a metal cage into which stones are placed. The dry stacked stone and metal cage create what could be a temporary wall structure to define areas along the alleyscape. The use of native plants in the landscape can help to establish a sense of place.



Alley Scaping

The date palms are organized on the vacant site in a 30'X30' grid. Decomposed granite paths are then used to allow flow through the palm grove while remaining temporary in nature. At the alley, the paving has been reduce in half, allowing one way flow only for vehicles. The lane provided is also narrow, helping to keep speed down on the few cars that may come through. The asphalt has been replaced with porus concrete pavers that allow grass to grow through. Trash containers have been contained in gabion enclosures. The improvements at the alley will allow for a second entrance to buildings and residences.



Retrofitting the Corner Mall

by

Jens Kolb

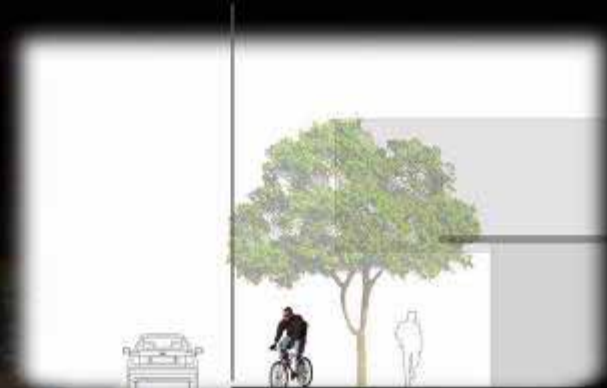
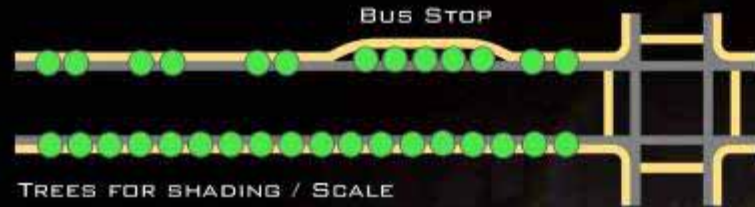
2004

SPRING SEMESTER 2004 APH 598 SLASH CITY

HTTP:// PHX: /CITY.AZ
C O R N E R M A L L @

BETHANNY HOMEROD & 16TH STREET. AZ

JENS KOLB



CARS

BIKES

PEDESTRIANS

BETHANNY HOME ROAD

JENS KOLB



7 RETAIL UNITS 1170-1390 SF



7 WORK-LIVE UNITS



CARS

BIKES

PEDESTRIANS

BETHANY HOME ROAD

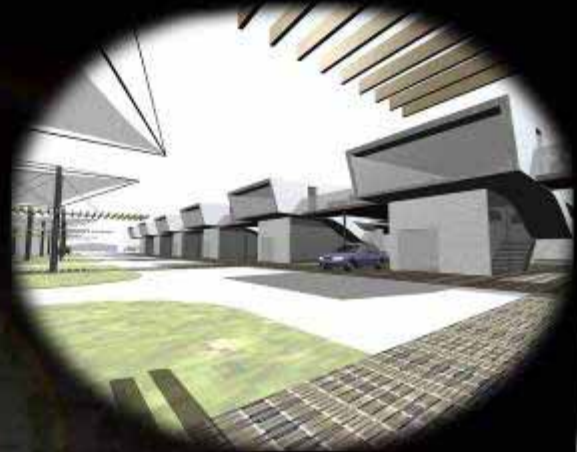


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JENS KOLB

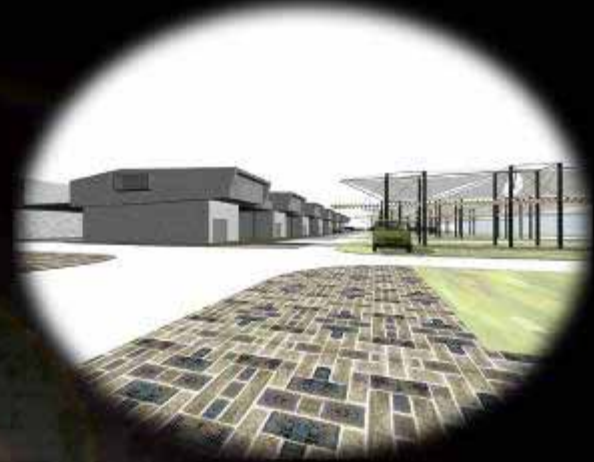
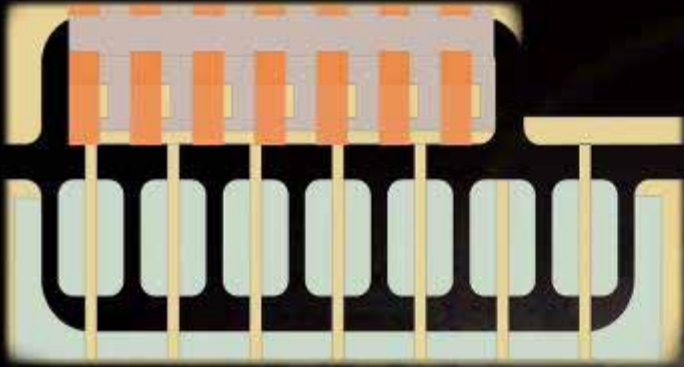


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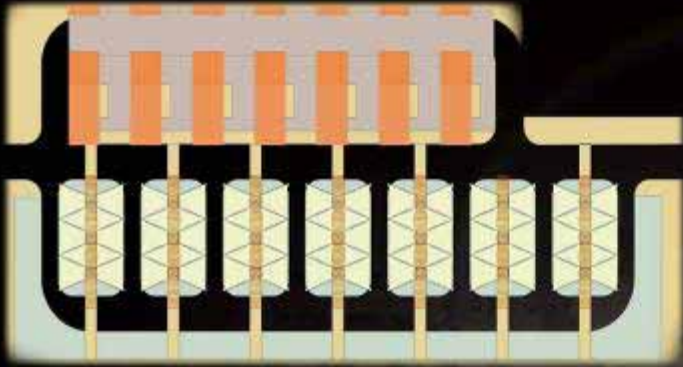
BETHANY HOME ROAD

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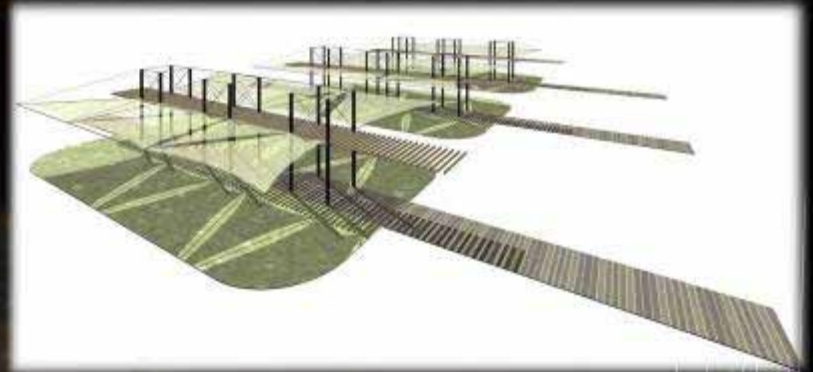
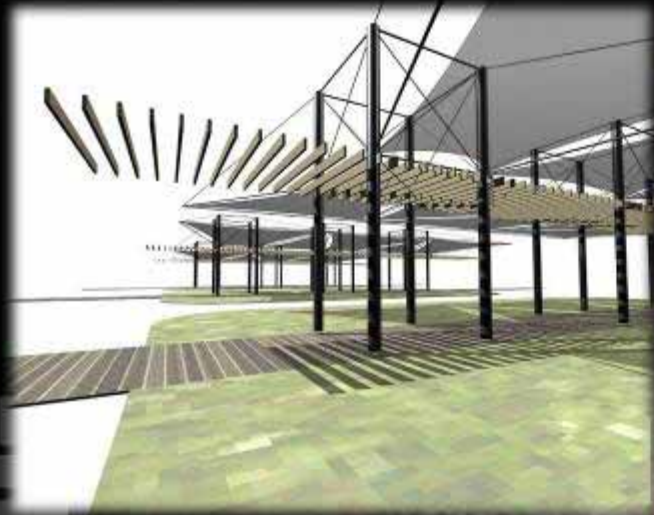
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BETHANY HOME ROAD



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