Purchase Order

Louisville/Jefferson Co Metro Government

INVOICE	
	Cabinet for Community Development 200 Metro Hall 527 W Jefferson St Louisville,KY 40202

PURCHASE ORDER	230360
REVISION	1

TO	
	JOHN L CARMAN & ASSOCIATES INC 310 OLD VINE ST STE 200 LEXINGTON,KY 40507

SHIP TO	
	Cabinet for Community Development 200 Metro Hall 527 W Jefferson St Louisville,KY 40202

Date Created	Original Buyer	Buyer Phone	Revision Date	Revised By	Vendor Number
08-DEC-09	FORD, S	502-574-5767	08-DEC-09	FORD, S	87198

Payment Terms	Freight Terms	Ship Via	F.O.B.	Tax Exempt Number
Immediate	Paid	Best Available	Destination	CT-56-130

#	Item Description	Due Date	Quantity	UOM	Price	Line Amount
1	A Request for Proposal for the Prof Design Services for Downtown Development Corp - 2nd Street Streetscape Project. The Project includes design, preparation of construction documents and construction administration per attached specs.					0.00
	**********					
	* This purchase order line CANCELLED on:08-DEC-09 *					
	* Original quantity ordered: 1099000 *					
	* Quantity CANCELLED: 1099000 *					
	**********					

Continued

TOTAL AMOUNT

AUTHORIZED BY DATE

08-DEC-2009 12:09
PO#: 230360
Rev#: 1

#	Item Description	Due Date	Quantity	UOM	Price	Line Amount
	o SHIP TO: Address at top of page					
2	A Request for Proposal for the Prof Design Services for Downtown Development Corp - 2nd Street Streetscape Project. The Project includes design, preparation of construction documents and construction administration per attached specs.					361,000.00
	o SHIP TO: Address at top of page					

361,000.00
TOTAL AMOUNT

Craig Bowen/SF 12/8/09
AUTHORIZED BY DATE

TERMS & CONDITIONS

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The Louisville - Jefferson County Metro Government reserves all other rights.

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The Metro Government may collect the following information about visitors to our Web site: the domain name, but not the e-mail address; the e-mail addresses of those who communicate with us via e-mail; aggregate information about which pages consumers access or visit information volunteered by the consumer, such as survey information.

The Louisville - Jefferson County Metro Government Information Sharing:
The Louisville - Jefferson County Metro Government web site will not release personal information to third parties except as required by law. We will not provide, rent or sell personal information to third parties for marketing programs or any other purpose.

Request For Proposal

Louisville/Jefferson Co Metro Government

Original

Bid Number:	1907

Revision:	0
Date:	28-SEP-09

Sealed bids will be received until 3:00 PM and publicly opened and all bid prices read aloud at that hour on date specified and under following conditions:

Bids received after 3:00 PM on Reply By Date will not be opened.

Bids must be signed by individuals or firms making bid. Samples to be submitted if requested. The right is reserved to select the lowest and best bid, also to reject any or all bids or any part thereof.

On proposals amounting to $2000.00 or over, successful bidder may be required to execute and give performance bond for full amount of same by a Surety Company authorized to do business in the Commonwealth of Kentucky before order is issued.

All items quoted are considered F.O.B. Delivered, unless otherwise stated.

Mark envelope with Bid Number, Reply By Date and Address to:

Office for Management & Budget - Division of Purchasing
611 West Jefferson Street
Mezzanine Level
Louisville, KY 40202

Reply By: 22-OCT-09

#	Description
1	**A Request for Proposals for the Professional Design Services for Downtown Development Corporation, per the attached specifications.** *******A Mandatory Pre-Bid Conference has been scheduled for Monday, October 12, 2009 @ 10:30 AM. The Pre-Bid Conference will be held at the Downtown Development Corporation, 401 West Main Street, Suite 1702, Louisville, KY 40202 ********

DELIVERY TIME: _____
(# of days A.R.O.)

We guarantee all the above named goods to be first-class and equal in every particular to above specification. Delivery to be made immediately on advice of acceptance unless otherwise specified.

UNSIGNED BIDS WILL NOT BE CONSIDERED

FIRM NAME: CARMAN
OFFICIAL'S SIGNATURE:
ADDRESS: 639 E. Jefferson St.
Ste. 102
Louisville, KY 40202
PHONE: 502-742-6581
DATE: 10-12-09

STANDARD TEXT

Please indicate your Louisville/Jefferson County Metro Government Revenue Commission Number [redacted] and your Federal Tax Identification Number [redacted]. If you are a Metro Government vendor or you are doing business in Metro Louisville, you should already be registered with the Revenue Commission and have all of your required taxes paid. If you become the successful vendor, you must be properly registered with the Revenue Commission and have all of your required taxes paid prior to the award of this contract. For further information please call Lisa Finegan of the Revenue Commission at (502) 574-4860.

Ordinance #214, Series 2005, concerning the requirement for an Affirmative Action Plan for contractors and vendors doing business with Louisville/Jefferson County Metro Government, shall apply to this Notice for Bids. Any questions concerning the ordinance should be directed to the Human Relations Commission at (502) 574-3631.
All parties hereto acknowledge any agreement is subject to Metro Government Ordinances, relating to the requirement of an affirmative action plan or other equal employeement criteria for contractors and vendors to do business with the Metro Government. Failure to comply with the terms of said ordinances will be cause for suspension, termination or cancellation of any agreement.

All prices quoted are to be F.O.B. Delivered to Destination.

BID PRICES ARE TO BE FIRM FOR A MINIMUM OF Ninty (90) DAYS FROM BID/RFP OPENING DATE

Please include your FAX number 859-255-8625.

Time discounts or cash discounts shall not be considered in award evaluation. Delivery time may be an evaluation factor in award of the Invitation for Bid/Price Inquiry/Proposal.

Metro Government is not responsible for any cost incurred by bidders/proposers in the preparation of bids/proposals.

(1) It shall be a breach of ethical standards for any employee with procurement authority to participate directly in any proceeding or application; request for ruling or other determination; claim or controversy; or other particular matter pertaining to any contract , or subcontract, and any solicitation or proposal therefore, in which to his knowledge:
a. He, or any member of his immediate family has a financial interest therein; or
b. A business or organization in which he or any member of his immediate family has a financial interest as an officer, director, trustee, partner, or employee, is a party; or
c. Any other person, business or organization with whom he or any member of his immediate family is negotiating or has an arrangement concerning prospective employment is a party. Direct or indirect participation shall include but not be limited to involvement through decision, approval, disapproval, recommendation, preparation, of any purchase request, influencing the content of any specification or purchase standard, rendering of advice, investigation, auditing, or in any other advisory capacity.
(2) It shall be a breach of ethical standards for any person to offer, give, or agree to give any employee or former employee, to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment, in connection with any decision, approval, disapproval, recommendation, preparation of any part of a purchase request, influencing the content of any specification or purchase standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling or other determination, claim or controversy, or other particular matter, pertaining to any contract or subcontract and any solicitation or proposal therefore.

(3) It is a breach of ethical standards for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier

COMPETITIVE SEALED BID
SUBMITTED BY:
By signing below you are agreeing to all Louisville Metro Government Terms & Conditions that are a part of this Request for Bid.

Include this page in your response to this bid.

Firm: CARMAN

By: Kevin L. Warner

Title: Principal/LA

E-Mail Address: [redacted]

Address: 310 Old Vine St. Ste. 200
Lexington, KY 40507

Telephone 859-254-9803

Fax: 859-255-8625

Date: 10-9-09

Metro Louisville Revenue Commission Number: [redacted]

Federal ID Number : [redacted]

Please include a copy of your W-9 with your submitted bid. This must be submitted prior to the award of a contract.

I acknowledge receipt of the following Addendum:

Addendum #1: X

Addendum #2: X

Addendum #3: ____

Any Additional Addendum (write in numbers): _____

Kevin L Warner
Vendor Signature (all items above have been read and completed)

LIVING WAGE PREFERENCE

Ordinance 91, Series 2003 establishes a preference for businesses, which provide their employees a minimum wage equal to or exceeding the minimum wage set forth in Section I of the ordinance as of July 1, 2003. That amount is currently **$9.00/hour for all full time employees.**

If supplies or services are to be purchased by competitive sealed bidding, or by competitive negotiation, and the supplies or services are available from a minimum wage business, the bid price or cost quoted by each minimum wage business shall be reduced by 5% for the purpose of determining the lowest bid price; however nothing in the ordinance prohibits the awarding of contracts by Metro Government on the basis of evaluated bid price.

In order to qualify for the 5% preference under Section II of the ordinance, if a contract is for services, and a bidder or offeror uses subcontractors to perform all or part of the work required under the contract, the bidder or offeror shall not subcontract more than 20% of the work to non-minimum wage businesses unless such services are not available from minimum wage businesses.

If a business holds itself out as a minimum wage business by indicating so below, and is subsequently awarded a contract, then it is later discovered that such information was falsely provided, such business will be liable to the Metro Government equal to 30% of the amount of the contract awarded.

If a minimum wage business is awarded a contract under this ordinance, then such business shall post a sign of the applicable minimum wage rate set forth in this ordinance in a conspicuous place and manner so as to inform employees and the public alike that such business pays its employees wages at least commensurate with the applicable minimum wage rate established by this ordinance.

If you meet the requirements of this ordinance and wish to claim certification as a minimum wage business for this bid please sign in the space below.

I certify that my business meets the requirements of Ordinance 91, Series 2003 and wish to be certified as a minimum wage business for this bid. (This page shall be included with bid submission)

Company Name CARMAN
Authorized Offical(Print) John W. Carman
Signature of Authorized Official
Title President
Date 10-12-09

LOCAL VENDOR PREFERENCE APPLICATION

To qualify for local vendor preference a business must:

- Have been established in the Louisville Metropolitan Statistical Area, as defined by the United States Census Bureau (MSA) for twelve (12) months and have an up to date local tax identification number on the date of the bid opening.
- Have its headquarters located in the Louisville MSA, or have a branch office currently located in the Louisville MSA for at least seven (7) years prior to the bid date.
- The city or county which the business is located in must have a reciprocal ordinance which recognizes businesses located in the Louisville MSA as a local business for the purpose of a procurement preference. A copy of the reciprocal ordinance shall be included with your bid.
- Utilizes local businesses to furnish at least 75% of the services under a contract unless such services are not available locally.
- **Submit this completed form with your submitted bid. Incomplete applications or applications submitted after the bid opening will not be considered.**

If you meet the above criteria and wish to apply for Local Vendor Preference on this bid please fill out the information at the bottom of this page. Incomplete applications will not be considered. The preference you will receive is 5% of your bid total or 5 points added to your evaluated bid total.

If a vendor is deemed a local vendor for the purposes of this preference on the basis of false information the vendor will be subjected to a fine equal to 25% of the contract price.

Any vendor who is denied local business status may petition the Director of Purchasing within 5 days of the denial. The petition shall outline the reasons why the local vendor status should be awarded. The Director of Purchasing will set a hearing for the petition. The decision of the Director will be final.

Any vendor may challenge in writing within three (3) business days following the day of in which a contract is awarded for a project the grant of a local vendor preference to another vendor. The challenge shall outline why the local vendor preference should not have been awarded. A hearing will be set by the Director of Purchasing who will hear the challenge and render a decision. The decision of the Director will be final.

You may request a complete copy of this Ordinance from the Louisville-Jefferson County Metro Purchasing Department.

Company: CARMAN

Address: Street 639 E. Jefferson St. Ste. 102

City Louisville County Jefferson State KY Zip 40202

Revenue Commission Number: [redacted]

Official: John L. Carman

Signature: [signature] Date: 10-12-09

Form GFE-1

LOUISVILLE METRO GOVERNMENT
GOOD FAITH EFFORTS ("GFE")
SUBCONTRACTOR AND SELF-PERFORM WORK LIST

DUE DAY AFTER BID OPENING BY 4:00 PM TO THE HUMAN RELATIONS COMMISSION

Bidder Name: CARMAN

☐ MBE ☐ FBE ☐ HBE

Bid Number: 1907

Total Bid Amount: N/A

Email Address: [redacted]

Project Name: Design Services for DDC

Fax or mail this form to Louisville Metro Human Relations Commission • 410 W. Chestnut Street, Suite 300A • Louisville, KY 40202
502-574-3631 phone • 502-574-3190 fax • 502- 574-4332 TDD

DIVISIONS OF WORK (BIDDER WILL SELF-PERFORM)
Planning, design, design management and construction administration

DIVISIONS OF WORK (UNDETERMINED WHO WILL PERFORM)

LEGAL NAME OF ALL SUBCONTRACTORS	SUPPLIER	DIVISION OF WORK	SUBCONTRACT AMOUNT	% of Total Bid	CERTIFIED SUBCONTRACTOR MBE	FBE	HBE
HDR	☐	Civil Engineering			☐	☐	☐
	☐	Surveying	n/a		☐	☐	☐
	☐				☐	☐	☐
Light Projects Ltd	☐	Lighting Design	n/a		☐	☒	☐
	☐				☐	☐	☐
	☐				☐	☐	☐
	☐				☐	☐	☐
	☐				☐	☐	☐
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	☐				☐	☐	☐
	☐				☐	☐	☐
		Total	$0.00				

Signature of Company Official: [signature]

Printed Name: John L. Carman

Date: 10-12-09

Form GFE-2

LOUISVILLE METRO GOVERNMENT
GOOD FAITH EFFORTS ("GFE")
MFHBE SUBCONTRACTOR GFE LOG

DUE DAY AFTER BID OPENING BY 4:00 PM TO THE HUMAN RELATIONS COMMISSION

Bidder Name: CARMAN **Bid Total:** to be negotiated per RFP

Bid Number: 1907 **Project:** Design Services for DDC

Fax or mail this form to Louisville Metro Human Relations Commission • 410 W. Chestnut Street, Suite 300A • Louisville, KY 40202 502-574-3631 phone • 502-574-3190 fax • 502- 574-4332 TDD

NAME OF MFHBE SUBCONTRACTORS CONTACTED	DIVISION OF WORK	REQUEST FOR QUOTES (Attach)	BID ACTIVITY						Reason for Rejection
			No Response	Quote Received (Attach)	Quote Amount	% of Bid Total	Quote Used	Quote Rejected	
Light Projects Ltd	Lighting	☐	☐	☐			☐	☐	
	Design	☐	☐	X	n/a		X	☐	
		☐	☐	☐			☐	☐	
		☐	☐	☐			☐	☐	
		☐	☐	☐			☐	☐	
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		☐	☐	☐			☐	☐	
		☐	☐	☐			☐	☐	
		☐	☐	☐			☐	☐	

Other Good Faith Efforts (Attach Supporting Documentation)

Signature of Company Official: Date: 10-12-09

Printed Name: John L. Carman

October 12, 2009

Metro Purchasing Department
611 West Jefferson St
Louisville, Kentucky 40202

ENVIRONMENTS FULLY REALIZED
CARMAN

LANDSCAPE ARCHITECTURE, LAND PLANNING, SITE ENGINEERING
CARMAN 639 EAST JEFFERSON ST., UNIT 102, LOUISVILLE KENTUCKY 40202
CARMANSITE.COM | (502) 742.6581 | FAX (859) 235.8625

RE: Professional Design Services for the Downtown Development Corporation

Dear Selection Committee Members:

I am very pleased to submit a proposal to provide the professional services for the preparation of plans for the streetscape development of 2nd and Washington Street with the understanding that 3rd Street and intersections at River Road may be a part of our comprehensive design and engineering services. The team of highly qualified professionals assembled for this project is very knowledgeable of the project site, the project program and we will utilize our creative expertise in developing the plans and administering the project that will be completed by October 10th, 2010. Our objective will be to seamlessly integrate the street environments into the totality of the new Arena experience. We fully intend to also seamlessly integrate our services to meet these design and scheduling goals into the professional design services currently ongoing with the Downtown Development Corporation.

We are uniquely qualified to work with the DDC's staff and representatives of other critical agencies that will be involved in the project. As with all of our projects of this nature, we will provide a comprehensive planning, design and engineering approach and process that will fully engage all participants. The inclusion of HDR Engineers and Leni Schwendinger Lighting Projects LTD on our team further demonstrates our commitment to the project that will enhance the process and resulting development of the street corridors.

As you review this proposal please keep in mind several key aspects with regards to our team:

- We offer a proven approach to the planning, design and engineering process that will yield ownership of the project by all interest groups and Metro Louisville;

- The Design and Engineering Team organized for this collaboration is fully engaged in this project with a current understanding of the issues as these issues relate to the work being performed by CARMAN and HDR on Main Street;

- We have a demonstrated success of developing management plans and master plans that are practical, creative, and can that be implemented;

- We offer an engineering and design process that will address all essential creativity for the rich, visual character of the street corridors with the technical expertise to function within a dense urban traffic environment.

- CARMAN's presence in Louisville allows us to provide the necessary time and attention to the schedule and offers a full commitment to a community project. Kristin Booker, a native of Metro Louisville will dedicate her knowledge, skills and abilities to insure the success of this project. We are located in the Gallery District of downtown Louisville with quick access to DDC and the project site. CARMAN will commit staff and manpower to insure success. Likewise, HDR has local and national resources and understands the significance of this collaboration with DDC. Brian Bobo has developed longstanding relationships with the "partners" in this project and has the institutional knowledge to benefit all;

- We have become fully engaged with our team of consultants and we are certain our collaboration will fully integrate with the Metro Louisville agencies involved with the project and meet the objectives of this highly visible and significant project.

- We have a **Commitment** to an aggressive, yet practical schedule; the **Desire** to provide quality consulting services; the necessary **Creativity** to interface the urban environment with the indigenous qualities of downtown Louisville and the new Arena and the **Enthusiasm** to provide a successful award-winning project.

CARMAN and HDR have Engineering, Landscape Architectural and Land Surveying professionals licensed in the Commonwealth of Kentucky. Our Engineering companies are both pre-qualified by the Kentucky Transportation Cabinet in the categories applicable to this project. There are no professionals on our Team that have been disbarred, suspended or otherwise prohibited from professional practice. Upon selection, CARMAN agrees to execute a Professional Services Agreement that will be mutually acceptable to all parties. The AIA B141 Agreement will be acceptable.

This proposal response includes the necessary information with regards to the CARMAN Team's experience, qualifications and company's backgrounds. Our commitment to the schedule is paramount and we have further demonstrated in this response the methodical manner in which we will insure compliance to a critical path that will be agreed upon by all parties.

We appreciate the opportunity to provide this proposal to you and look forward to continuing to work with the Downtown Development Commission and the community. I am confident of our success!

Sincerely,

John L. Carman, RLA, FASLA

ENVIRONMENTS FULLY REALIZED
CARMAN

Downtown Development Authority Design Services

Project Approach

Project Approach

ENVIRONMENTS FULLY REALIZED
CARMAN

The dynamic Team of design and engineering professionals will develop an urban street environment with the collaboration of the Downtown Development Corporation and other stakeholder agencies involved in the project. The CARMAN Team approach will balance the function of the street corridors with the need to fully integrate people into the synergy of the new Arena and the outlying cityscape.

The Team's Approach and Process to this project will be centered around the need to create design excellence in a short time frame and insure that design objectives are implemented into sustainable urban street corridors. It is paramount that street corridors NOT become just a linear progression, but allow and provide space for city activities and events surrounding the Arena. The outlying fabric of urban uses such as hotels, entertainment centers and professional offices MUST integrate seamlessly into the context of 2nd, 3rd and Main Streets. Thus, the understanding, planning and design of Washington Street and critical intersections at River Road become a critical component as the design insures a compatible and functional use by pedestrians, cyclists and vehicles. The "form" and "function" of these spaces must also be enhanced with visual amenities. The spaces leading into and surrounding the Arena must be energized with a magnetic appeal that allows the space to become destination portals of this newly created urban space.

The CARMAN Team Approach will capture the distinct, necessary design and engineering process organized into three vital design philosophies, all integrated into a holistic approach:

- Form
- Function of the Form
- Enhancement of the Form and Function

These components of the design and engineering process can only be successful with proper implementation. To this end, the CARMAN Team will place high emphasis on a rigid, deliberate, methodical and time sensitive administration of the construction of these street environments. The contract documents prepared by members of the CARMAN Team will be clear, concise and structured to provide clarity to all Contractors involved in the project to insure success.

Form

The environments of 2nd Street create unique 3 dimensional spaces created by culturally significant and new distinctive urban forms. The building masses of the new Arena, Whisky Row, the Presbyterian Center and the underside of the 2nd Street Bridge are distinctive and impressive with their size and volume, yet offer an incredible opportunity to create unique, useable spaces. These urban place-holders can become destinations and beacons in the urban landscape with proper design and integration of all spaces together. The understanding of the street vocabulary with the Main Street design by CARMAN and HDR provides a foundation for forming the necessary spaces for interaction by people and access by vehicles. The CARMAN Team will shape and design the entry portals along 2nd Street between the Bridge and the Arena to be useable for events and gathering/directing of event attendees. The CARMAN Team will explore alternatives that easily integrate into the planned Arena function and design.

Function of the Form

The urban spaces that are formed and shaped through a creative process by the CARMAN Team will evolve into a sustainable functional infrastructure of support. CARMAN and HDR have an

understanding via their Main Street work and extensive Metro Louisville experience to understand the functional infrastructure of traffic, bicycle and pedestrian use, utility services and infringement of below grade building spaces and utility vaults. The function of the urban spaces created by the corridor environment will be dependent on an integrated technical and creative approach by the CARMAN Team. Recognition of traffic issues and mitigation of conflicts with sound engineering will be critical. Traffic calming measures, adequate lighting levels, clear zones and signage will be on the forefront of the functioning corridor. Conversations and dialogues for Arena utilizations have begun with DDC and these patterns of function will apply to the understanding for the 2nd and Washington Street applications.

Enhancement of the Form and Function

Experiences from global designs by LSLP such as *Chroma Streams, Tide and Traffic* and the *Triple Bridge Gateway* will help provide directions to success for the 2nd Street Bridge. A series of sensor-driven lighting of real-time color and patterns—the artwork can be an exploration and expression of the relationship between the flows of traffic within the bridge space and the utilization of portals into the arena. Transforming the bridge spatial volumes into a distinctive landmark will fuse utility with visibility. This challenge will forge a new identity for the bridgescape and improve the environmental quality under the bridge for motorists and pedestrians as well as provide an attraction for both visitors and local citizens by integrating the Arena experience with outlying urban areas. The Form and Function Enhancements will be conceptualized and implemented with a color layout and lighting approach as well as defining material forms. The finished environment will be an abstract, mutable space—strictly adhering to the bridge's own formal structural and textural attributes, while juxtaposing plate patterns in relation to the surrounding urban architecture and the sky above.

The CARMAN Team will comply with the Tasks identified in the RFP and will engage DDC and other stakeholder agencies throughout the design process. Weekly team meetings will be used to engage, inform and review progressive decisions. In addition to the identified Tasks, the Team will assist with periodic meetings with the Transportation Cabinet, the Heritage Council and the Highway District Office to help insure schedule compliance and early buy-in by these agencies of the concepts and final designs. This will aid in permitting times prior to bidding. The staff of CARMAN and HDR will be available for instantaneous responses for information, meetings and updates to assist with the constraints of the schedule. The Schedule presented herein further outlines specific Tasks and projected milestone dates.

The CARMAN Team takes pride in their skills to communicate design concepts towards buy-in and ownership of a project. Throughout the design process, concepts will be revealed through plan renderings, 3-D illustrations, freehand and computer models. These communication components will translate into workable construction and contract documents for implementation clarity.

ENVIRONMENTS FULLY REALIZED
CARMAN

Downtown Development Authority Design Services

Design Alternatives

Design Alternatives

ENVIRONMENTS FULLY REALIZED
CARMAN

The inclusion of key intersections along River Road in the design solutions can be critical to the function and uniformity. The intersections can serve as nodes of identification for key access points and also serve as "barrier" points during times that streets may be closed for Arena or events associated with the entertainment venues on Main and Washington Streets. Continuity of design along 3rd Street with Main Street could be woven into the design and engineering efforts of CARMAN and HDR.

The visual identity of these nodes through uniform design vocabularies will further enhance the uniqueness of what may become the Arena District for downtown Louisville. Uniformity of design can be accomplished with pavement materials, landscape treatments, lighting, signage and other hardscape treatments to the intersections.

Conceptualization of these intersecting areas and of the 3rd Street Corridor will provide a means for understanding the holistic approach to the project. The conceptual plans will also allow the CARMAN Team to assess budgetary opportunities or constraints and to make a determination if part of these additional areas can be included in the project implementation. Should funding be available, the design and engineering could be completed in conjunction with the primary project areas.

These Design Alternates will impact, in a positive way, the traffic patterns and visual qualities of River Road. The CARMAN Team will engage the Waterfront Development Corporation in the design process for these intersections. CARMAN has worked extensively with WDC and feels confident of a positive working relationship.

ENVIRONMENTS FULLY REALIZED
CARMAN

Downtown Development Authority Design Services

Project Schedule

Schedule

ENVIRONMENTS FULLY REALIZED
CARMAN

Without compromise to the quality of design, the project schedule is the most critical component of the professional services. The CARMAN Team of professionals has a strong commitment to complying with the critical schedule of the project. The CARMAN Team is in a position to comply with the schedule for various reasons that give our Team an advantage to working with the Downtown Development Corporation

- CARMAN and HDR are currently working on the Main Street enhancements and streetscape improvements in the 5 block area of the Arena, intersections of 3rd and 2nd Streets;

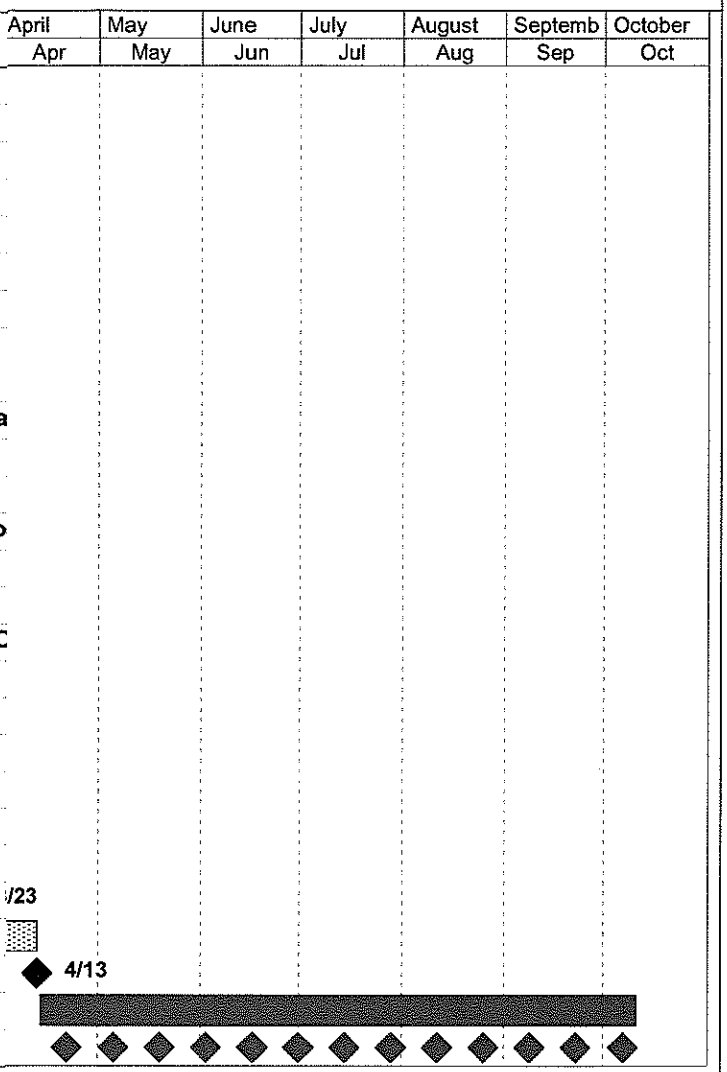
- The CARMAN Team has developed an understanding and a dialogue of current philosophies associated with functions and applications of the streetscape around the Arena. These conversations with DDC and developers of the Whiskey Row development will allow the CARMAN team to proceed without delay;

- CARMAN and HDR commit to integrating the 2nd Street Bridge plans into the same schedule of plan completion and bidding. With proper coordination, the bidding and implementation of 2nd Street could be "bundled" with the Main Street project. Creative packaging can help with the scheduling, project completion and compliance with Contractor pre-qualification criteria that will be mandated by the Kentucky Transportation Cabinet;

- CARMAN and HDR will staff the project with professionals that are currently familiar with the project and will insure compliance with the schedule. The CARMAN Louisville office will be fully staffed and HDR will commit personnel from Louisville or other offices throughout their company to insure schedule compliance.

The following Schedule with tasks reflect the aggressive time commitments to accomplish the services demanded for this project. This Schedule parallels the work being done for the Main Street project by CARMAN and HDR.

ID		Task Name
1		Submission of Proposals
2		Consultant Selection
3		Contracting
4		Notice to Proceed
5		Project Initiation and Team Meetings with DDC
6		Land Surveying of Project Area
7		Conceptualizations of Study Area
8		Schematic Design Progress Meetings
13		Schematic Design Budgets and Estimating
14		Recommendations for Construction Packaging a
15		Formal Submission of Schematic Design
16		Meetings with KYDOT and Heritage Council
17		Meetings with Arena Commission and Arena Co
18		Construction Document Preparation
19		Construction Documents Progress Meetings
32		Submission of Plans and Specificaitons to KYDC
33		Final Review by KYDOT
34		Completions of Bid Documents
35		Plan modifications
36		Final Submission to KYDOT
37		Receive Permits from KYDOT
38		Project Bidding
39		Receive Bids from Contractors
40		Bid Review, Evaluations and Contracting
41		Notice to Proceed to Construction Contractors
42		Construction of all Streetscape Improvements
43		Construction Progress Meetings



Project: schedule
Date: Thu 10/8/09

Task

Split

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Downtown Development Authority Design Services

Team Experience

Team Experience

ENVIRONMENTS FULLY REALIZED
CARMAN

CARMAN, a Louisville Landscape Architectural and Civil Engineering firm has extensive experience with urban planning and design throughout communities in Kentucky. HDR, a multi-discipline engineering company also has extensive experience in Louisville and offers a high degree of understanding of the Metro Louisville urban environment. Leni Schwendinger Light Projects LTD has global success of creating and enhancing urban spaces through the use of light by energizing people and their urban environments.

The collective experiences of urban design by the collaboration of the CARMAN Team members will transform the street corridors into a unique environment. These experiences will be used to:

- Forge an identity for the bridge and improve the environmental quality under the bridge for motorists and pedestrians;
- Anchor economic development and improve the visitor experience after dark by transforming the dreary, unwelcoming landscape into an attraction for both visitors and local citizens;
- Create a distinctive landmark and gateway to the Arena- a premier example of urban place-making and identity through the use of lighting and urban enhancements;
- Increase the visitors' perception of safety and use of creative lighting and engineered road improvements to add dynamism to an environment underutilized by pedestrians.

The staff of CARMAN and HDR have an extensive history of working with Metro Louisville and other agencies that may become stakeholders in the project. The CARMAN Team by virtue of projects with these agencies has a good working relationship with:

- Downtown Development Corporation
- Louisville Public Works
- Louisville Planning and Design Services
- Metropolitan Sewer District
- Waterfront Development Commission
- Kentucky Transportation Cabinet and Highway District 5 Office
- Louisville Water Company
- Louisville Gas and Electric

The collective experience of CARMAN and HDR with agency permitting will be a valuable resource and will be extremely beneficial to the project schedule. The CARMAN Team has substantial experience working with TEA Grants and the accompanying requirements for projects funded by these grants. Familiarity with the new *Federal-Aid Highway Program Project Development Guide for Local Agencies* gives the CARMAN Team a unique advantage in working with the Kentucky Transportation Cabinet and the Heritage Council.

The following portfolio of project experiences and references reveal a comprehensive and creative palette of projects that will be used for direction and understandings of this unique place in Metro Louisville's downtown. The collective experience in the project area gives the CARMAN Team a unique advantage of developing a quality, creative design solution that is functional, practical and implementable within the time constraints of the Arena opening.

CARMAN

ENVIRONMENTS FULLY REALIZED
CARMAN

CARMAN, formerly John L. Carman and Associates, was founded in 1980 with a philosophy of providing sensitive planning and design with an eye for the integration of technically sound responses to the natural and built environment. We have met the challenges of this philosophy with a broad range of experience with both the public and private sector. The commitment of our staff of Landscape Architects and Civil Engineer to each client has gained our firm the reputation of meeting unique demands of complex and challenging projects. Our staff listens to our clients and creates an understanding of their needs.

CARMAN has the experience and qualifications to approach an assignment in a comprehensive manner. We integrate creativity and technical expertise with an understanding of both small and large-scale environments. The integration of Landscape Architecture, Land Planning, Environmental Planning and Civil Engineering places our staff in a unique position to provide quality and timely consultation, creating Environments Fully Realized.

John Carman, President

The Council of Landscape Architectural Registration Boards ,
The National Council of Examiners for Engineering and Surveying,
Kentucky Erosion and Sediment Prevention Controls
and
The United States Green Building Council
have certified and accredited members of the staff of
CARMAN

CARMAN is Pre-Qualified by the Kentucky Transportation Cabinet, Department of Highways

"Nature goes on her way, and all that to us seems an exception is really according to order."

Johann Wolfgang von Goethe

CARMAN
Landscape Architecture, Land Planning, Civil Engineering
310 Old Vine Street, Lexington, KY 40507
Ph: 859.254.9803 F: 859.255.8625
Gallery Square
639 E. Jefferson Street, Unit 102, Louisville, KY 40202
Ph: 502.742.6581
www.carmansite.com

LANDSCAPE ARCHITECTURE

ENVIRONMENTS FULLY REALIZED
CARMAN

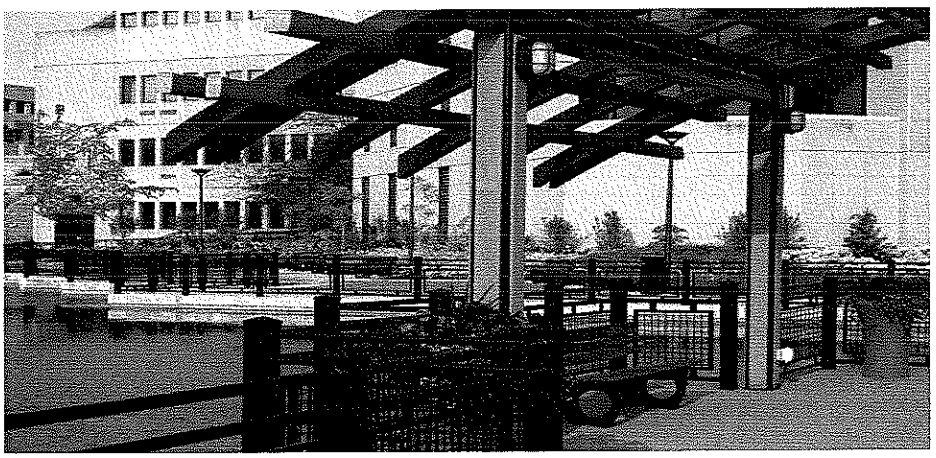
CARMAN, a landscape architectural firm established in 1980, has focused the aspects of quality landscape development as a means of visual and contextual enhancement to a variety of environments. Integrating the built and natural environment has been the highlight of the CARMAN Office's staff of landscape architects. The experienced staff of Registered Landscape Architects at CARMAN offer a variety of services related to Landscape Architecture such as:

Urban Design
Landscape Master Plans
Site Planning
Historic Landscape Planning, Preservation and Design
Planting Plans and Specifications
Landscape Management and Maintenance Programs
Park and Recreational Design
Landscape Development Programs
Physical Development and Economic Feasibility Studies

REPRESENTATIVE LANDSCAPE ARCHITECTURE PROJECTS

CARMAN has provided landscape architectural services to a wide variety of land uses and clientele. The following are representative projects:

City of Danville Main Street Streetscape
University of Louisville Historic Oval Commons Entrance
Northern Kentucky Univeristy Loch Norse Lake and Amphitheatre
Northeast Kentucky Veterans Administration Cemetery
Northern Kentucky University Nunn Drive Streetscape
Bluegrass Airport Man-O-War Boulevard Landscape
Stonewall Woods Subdivision Street Tree Plan
West Hampton Corners Leestown Landscape Plan
City of Frankfort Downtown Tree Panting Master Plan
Kentucky History Center and Old Governor's Mansion Gardens
Lansdowne Stream Corridor Landscape Plan
McConnell Springs Wetlands Demonstration Pond
Kentucky State University Campus Landscape Master Plan



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CIVIL ENGINEERING

ENVIRONMENTS FULLY REALIZED
CARMAN

The Civil Engineering staff at CARMAN has provided integrated design and engineering services for a wide variety of projects. Our staff has extensive skills and knowledge of the following services:

Digital Terrain Modeling
Watershed Modeling
Stormwater Management Systems
Storm Sewer Design / Engineering
Sanitary Sewer Design / Engineering
Street and Road Design / Engineering
Domestic and Fire Water Main Extension Design and Engineering
Utility Design and Engineering

CIVIL ENGINEERING PROJECTS AND CLIENTELE

The following are representative projects that illustrate the significant integration of Civil Engineering into the palette of work at CARMAN.

East Kentucky Veterans Center - Hazard, KY
Site design and engineering for the 20-acre reclaimed strip mine site.

South Main Street Right of Way Improvements - Somerset, KY
Right of way improvements for the south entrance corridor into downtown Somerset including extensive utility relocations.

West Kentucky Veterans Center - Madisonville, KY
Provided site design and engineering services, which included site improvement plans, storm sewer design, KYDOH permitting for turn lanes, and entrance culvert design.

Woodford County Middle School - Versailles, KY
Site design and construction documents for a new 900-student middle school in Woodford County.

Mineral Mound State Park - Eddyville, KY
Site planning, design, and engineering for a new championship golf course on approximately 400 acres.

Monticello Centre - Monticello, KY
Site design and engineering for a 60-acre mixed use development including commercial, single family, and high density residential.

South Central Regional Post-Secondary Education Center, Somerset Community College, Kentucky Community Technical College System - Albany, KY
Master planning and site development for a new KCTCS facility.

Mt. Vernon Richmond Street Right of Way Improvements - Mt. Vernon, KY
Right of Way Improvements for the main corridor leading into the downtown district of Mt. Vernon

Pulaski County Judicial Center - Somerset, KY
Site engineering for a new justice center located in downtown Somerset.

McConnell Springs Stormwater Management Demonstration Ponds - Lexington, KY
Site engineering for a regional stormwater treatment system consisting of bioengineered systems and wetland water quality treatment ponds.

Coldstream Park - Lexington, KY
Master Plan, Phase I construction documents, and construction administration for 235-acre park.

Mineral Mound State Park, New Championship Golf Course

Danville Streetscape, Danville, Kentucky

Groves Point Subdivisiion, Lexington, Kentucky

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STREETSCAPES

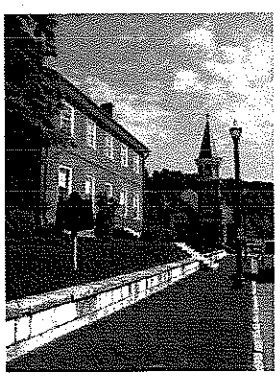
ENVIRONMENTS FULLY REALIZED
CARMAN

Streetscape Projects, whether funded by federal and state grants or local government agencies, are an excellent way to revitalize existing downtown business districts, attract new commercial and residential prospects, and invent or renew the "personality" of local historic districts. From building facade improvements and plaza designs to full scale Streetscape Developments. **The CARMAN office has the expertise and experience with permitting Streetscape Projects with the Department of Transportation, utilizing the new KTC and FHA Project Development Guide for Local Public Agencies and the streetscape guidelines of the Kentucky Heritage Council.** CARMAN has a considerable amount of experience providing community development services. Specific services offered by CARMAN include:

Streetscape Design
Utility Relocation Studies
Master Planning
Grant Preparation
Historic Preservation
Parking Studies
Cost Estimating
Permitting with State and Federal Agencies
Bidding and Construction Administration
Open Space / Greenway Planning and Design

REPRESENTATIVE URBAN STREETSCAPE PROJECTS AND CLIENTELE

University of Louisville Oval Commons and 3rd Street Improvments
Louisville, KY
Doughboy Square and Main Street Enhancements
Monticello, KY
Danville Streetscape Renovations
Danville, KY
Perryville Streetscape Project
Perryville, KY
Harrodsburg Main Street Improvements
Harrodsburg, KY
College Street Enhancements
Somerset, KY
Old Governor's Mansion Streetscape
Frankfort, KY
Clark County Bank Plaza
Winchester, KY
Chevy Chase Plaza
Lexington, KY
Jenkins Streetscape and Recreational Trails
Jenkins, KY
Tri-Cities Community Development Initiative Strategic Plan
Harlan County, KY
Bluegrass Airport Access Road
Lexington, KY
Frankfort Downtown Planting Master Plan
Frankfort, KY
Middlesborough Streetscape and Historic Canalscape
Middlesborough, KY
Northern Kentucky University, Nunn Drive
Highland Heights, KY
Chinese Galloping Horse Statue Plaza
Lexington, KY



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TRANSPORTATION ENHANCEMENT PROJECTS

ENVIRONMENTS FULLY REALIZED
CARMAN

The Landscape Architectural, Land Planning and Civil Engineering firm of CARMAN has worked extensively through the years with various project types that have been funded through the Department of Transportation. These funds, beginning with the ISTEA funds in the 90's are typically allocated to projects that have significant impacts on transportation related projects. Various project categories that qualify for TE funds include:

Streetscapes in Rural and Urban Roadways
Multi-use Trails
Historically Significant Buildings serving as Tourism Destinations
Park Development for Tourism Enhancement
Historic Landscape Enhancements

Transportation Enhancement Projects are administered through the Kentucky Transportation Cabinet Office of Special Programs. In addition to this office, the Kentucky Heritage Council serves as a clearinghouse for all projects from an archaeological, historical and cultural basis. All TE projects require approval and permitting from these offices in addition to individual District Highway Offices. All TE projects, in addition to ARRA funded projects are required to comply with the Federal-Aid Highway Program Project Development Guide for Local Public Agencies, commonly known as the LPA Manual. CARMAN has experience with the permitting and use of the LPA guidelines on a number of projects throughout the State.

Representative Transportation Enhancement Projects of CARMAN

City of Middlesborough Canalscape Multipurpose Trail

City of Danville East Main Street Right of Way Improvements and Streetscape

City of Harrodsburg Streetscape Enhancments and Accessibility Improvements

Big Bone Lick State Park Diorama

City of Albany Courthouse Square and Streetscape Improvements

City of Somerset College Street Utility Relocations and Streetscape

City of Monticello Doughboy Square and North Main Streetscape Improvments

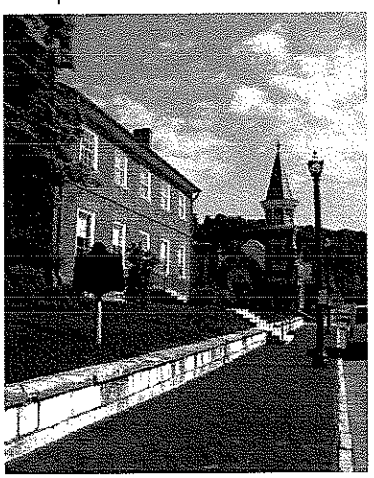
Isaac Shelby Cemetery Historic State Shrine Entrance Road Improvements

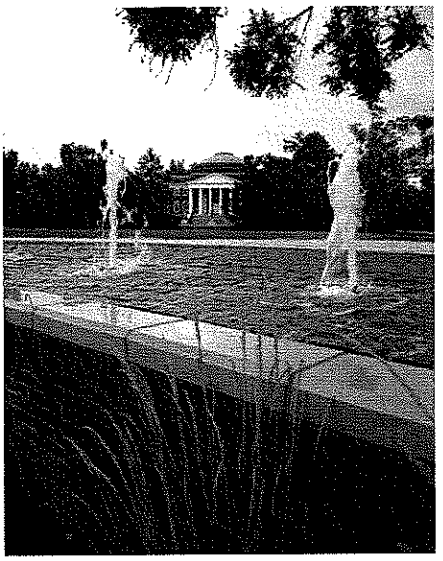
Old Governor's Mansion and History Center Block Streetscape

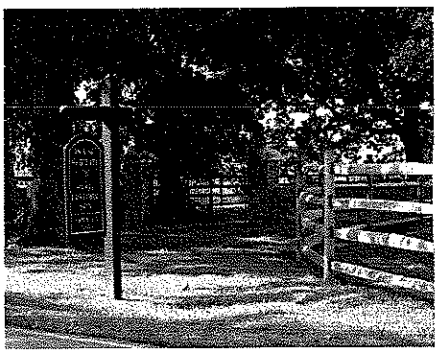
University of Louisville Historic Oval Commons Entrance Enhancments

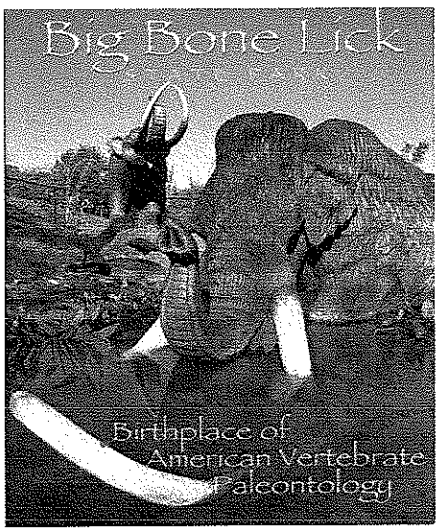
City of Mt. Vernon Street, Sidewalk and Accessibility Improvements - Richmond Street

City of Perryville Historic District Streetscape Improvements









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Landscape Architecture, Land Planning, Civil Engineering
310 Old Vine Street, Lexington, KY 40507
Ph: 859.254.9803 F: 859.255.8625
Gallery Square
639 E. Jefferson Street, Louisville, KY 40202
Ph: 502.472.6671
www.carmansite.com

URBAN PLANNING AND DESIGN

ENVIRONMENTS FULLY REALIZED
CARMAN

The CARMAN office offers a broad spectrum of planning and design services including Urban Design. Utilizing a wide cross section of experience in many different urban environments, the CARMAN office has been involved in the planning and design of many idfferent uses in various sized communities throughout Kentucky. The CARMAN office is consistently conscious of the specific urban context of a project and creates responses that are fully integrated into each urban environment. Comprehensive assessements for each urban environment are provided including

- Contextual Site and Building Assessments
- Traffic and Circulation Patterns
- Parking Needs and Alternatives
- Infill Patterns of the Community
- Sustainable Issues and Opportunities
- Cultural Trends
- Market Conditions and Indicators

These assessments have allowed the CARMAN office to fully comprehend and develop creative urban solutions

Representative Urban Design and Planning Projects by the CARMAN office.

Jefferson Public Market - Louisville, KY
Infill enhancement project for a 2 square block area within the East Market Gallery District and the future location of the public marketplace.

Bowling Green Riverfront District - Bowling Green, KY
Development of planning strategies and long range plans for the downtown riverfront mixed use district.

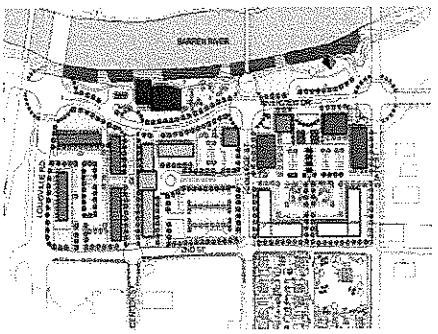
History Center District - Frankfort, KY
Public space design for the Kentucky History Center and Old Governor's Mansion block in downtown Frankfort, Kentucky's capital.

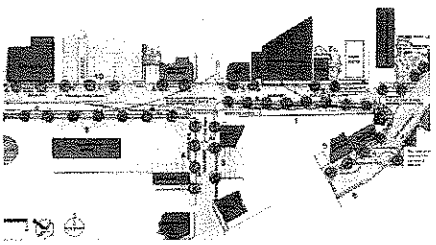
Coldstream Research Campus - Lexington, KY
Redevelopment master plan for the existing research development that creates a more intense urban life-style center and research campus.

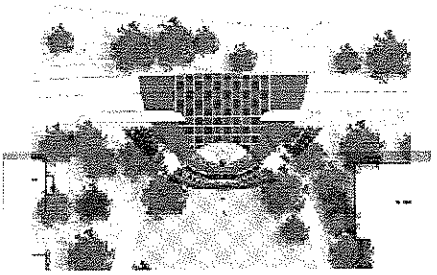
University of Louisville Oval Commons - Louisville, KY
Redevelopment of the historic entrance corridor in the Old Louisville neighborhood district.

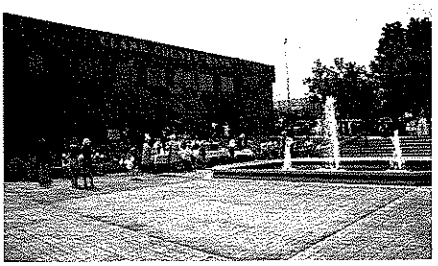
Pulaski Judicial Square - Somerset, KY
Redevelopment of a 4 square block infill area for a new judicial center and public square.

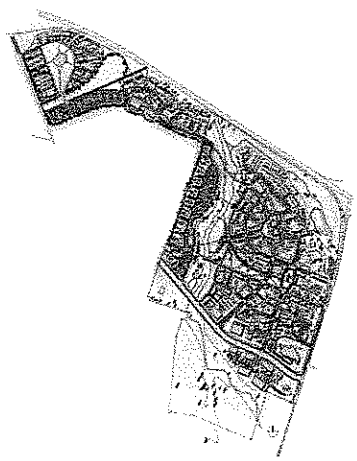
Chevy Chase Plaza - Lexington, Kentucky
Urban infill, mixed use development in the Chevy Chase area of Lexington. Retail and commercial development are combined with upper level residential loft condominiums.

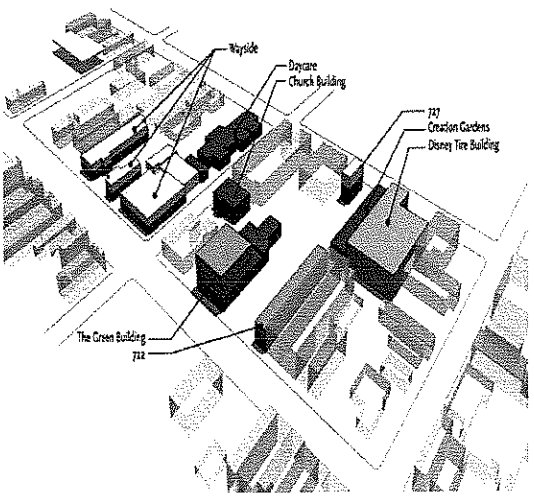












CARMAN
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Gallery Square
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www.carmansite.com

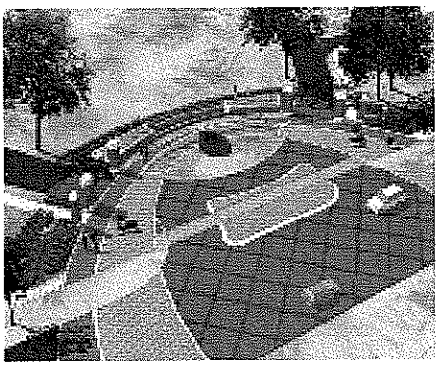
UNIVERSITY OF LOUISVILLE HISTORIC OVAL COMMONS ENTRANCE ENHANCEMENTS

Louisville, Kentucky

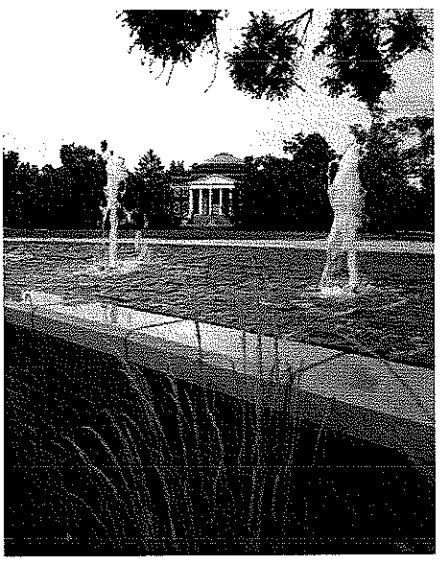
ENVIRONMENTS FULLY REALIZED
CARMAN

Client:
University of Louisville Office of the President

Contact:
Ms. Kathleen Smith
Office of the President
Grawermeyer Hall
University of Louisville
Louisville, Kentucky 40292
502.649.8413



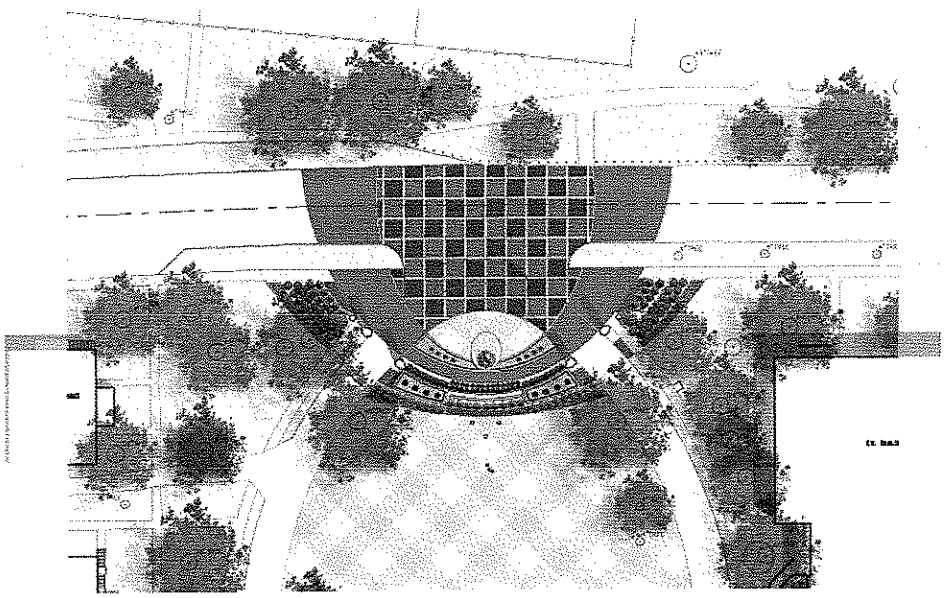
The University of Louisville through a Kentucky Transportation Enhancement grant is redeveloping the entrance to the historic area of the University, the Oval Commons, a historic Olmstead designed space. The Oval Commons is surrouned by significant historic University of Louisville buildings, including the College of Law, the President's Office, Grawemeyer Hall and Brigman Hall. The entrance enhancements include functional traffic improvements and significant visual improvments. Ingress and egress movements of the Oval will be greatly inproved with geometric modifications. The CARMAN office has developed the enhancements with the sensitivity of the context of the University and the needs of improving traffic movement along 3rd Street in Old Louisville.



A large granite memorial sculpture and flanking fountains have been designed by the CARMAN office in addition to right of way improvements including traffic calming measures, patterned pavements and landscape islands.

Funding for the project was available through a State and Federal Transportation Enhancement grant. Project permitting was obtained by the CARMAN office through the Kentucky Department of Transportaion Office of Special Programs and the Kentucky Heritage Council.

Total construction cost of the Oval Commons Entrance Enhancements is $1.2 million and construction will be complete in April of 2009



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Ph: 859.254.9803 F: 859.255.8625
Gallery Square
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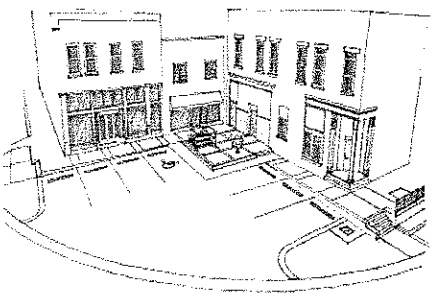
Ph: 502.472.6671
www.carmansite.com

MONTICELLO STREETSCAPE
DOUGHBOY SQUARE AND NORTH MAIN STREET
Monticello, Kentucky

ENVIRONMENTS FULLY REALIZED
CARMAN

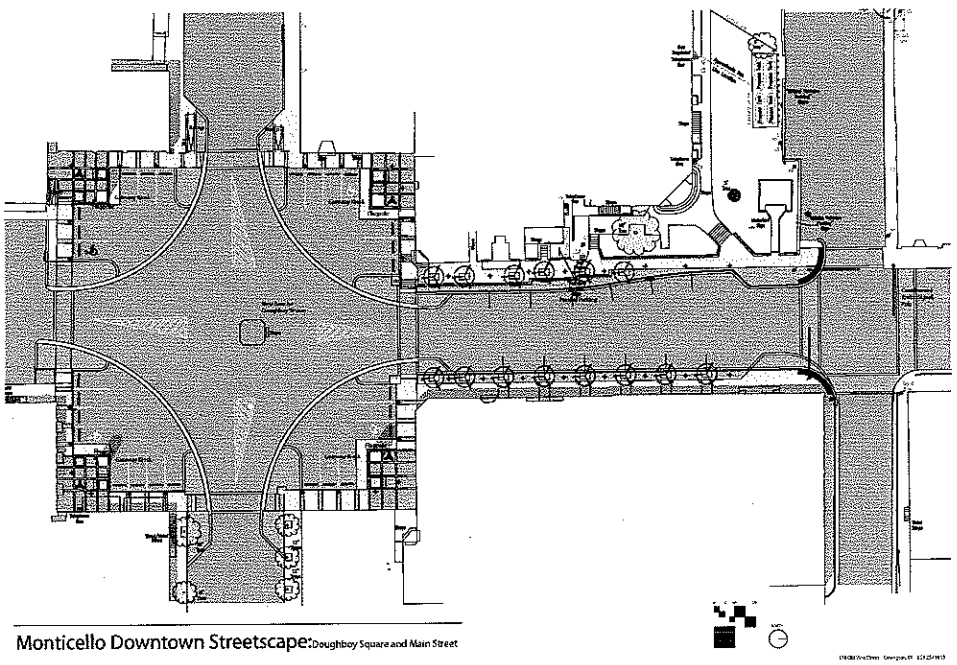
CLIENT: CITY OF MONTICELLO
CONTACT: MAYOR KENNETH CATRON
P.O. Box 550
Monticello, Kentucky 42633
606.348.0071

CARMAN is currently serving as the planning, design and engineering consultant for the City of Monticello, Kentucky on their streetscape enhancement project along Main Street (KY 92), adjacent to and including the Doughboy Square. The CARMAN work effort has included the successful assessment of the existing street conditions including an assessment of the pedestrian, vehicular and utility systems. CARMAN has coordinated with local utility companies in order to remove overhead utility lines along the length of the project while maintaining service to each individual property.

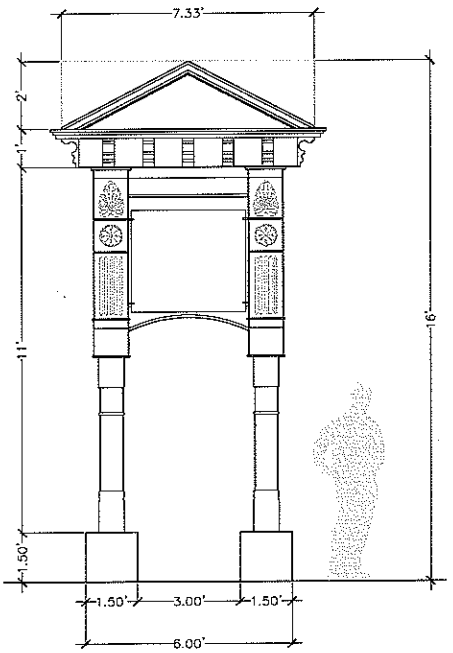


The assessments along with public meetings to gather community input lead to the culmination of the final streetscape design which includes public gathering space, vehicular calming and pedestrian infrastructure improvements. This project is currently bidding and is anticipated to be complete in April of 2010. CARMAN will be providing bid administration as well as construction administration during the six month construction process. Construction begins in the Fall of 2009 with completion scheduled for the Summer of 2010.

CARMAN has provided grant administration for the Transportation Enhancement Funds and complied with the LPA Manual requirements.



Monticello Downtown Streetscape: Doughboy Square and Main Street



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Louisville, KY 40202
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www.carmansite.com

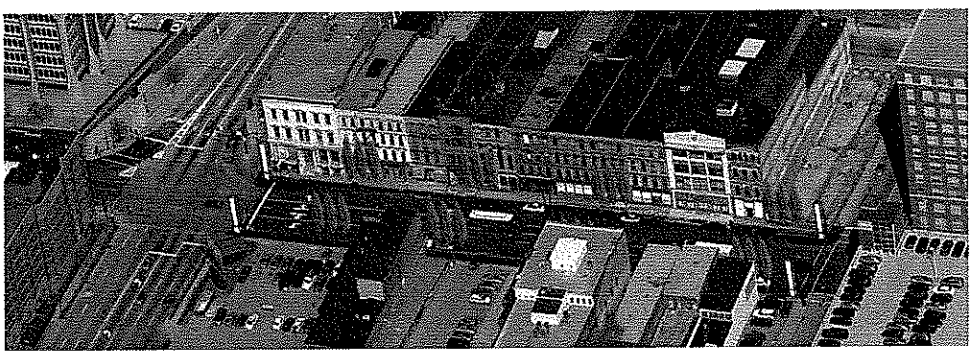
MAIN STREET: DOWNTOWN LOUISVILLE
Louisville, Kentucky

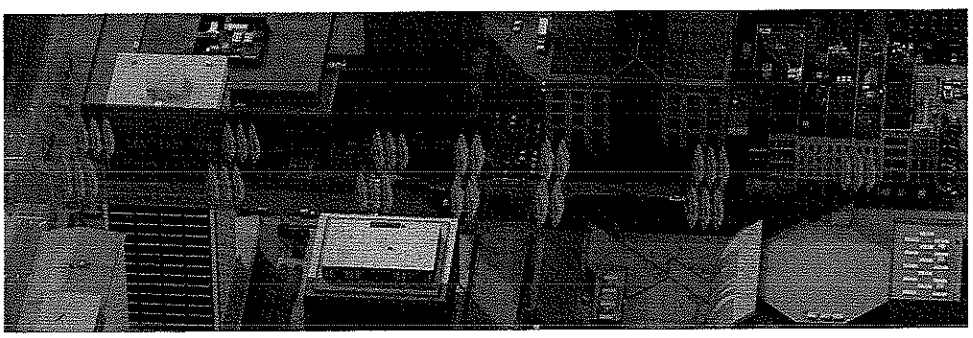
ENVIRONMENTS FULLY REALIZED
CARMAN

CLIENT: Downtown Development Corporation
One Riverfront Plaza
401 W Main St, Suite 1702
Louisville, Kentucky

As part of the iconography of American Life, Main Streets are a place of traditional values and a setting for retailing and socializing. Main Street Louisville is no exception. The image and identity of the downtown core area of Main Street are certainly unique. Michael Graves' Humana Building, Mies van der Rohe's American Life Building, the Kentucky Center for the Arts, Louisville Arena, The Galt House and a host of additional banks, offices, hotels and cultural amenities have an address on Main Street between 1st and 6th Streets. In an effort to promote unity throughout the downtown corridor, CARMAN was asked to re-envision the potential of Main Street and its role in the history, present and future of downtown Louisville. The process involved the development of several iterations and alternatives in order to determine the most appropriate approach ... a concept that would emphasize the unique image of Main Street. CARMAN was also commissioned to provide assistance through construction documention and construction administration in order to ensure that the design intent was fully realized.

Construction is scheduled to begin in the Spring of 2010 with a scheduled completion in October of 2010.





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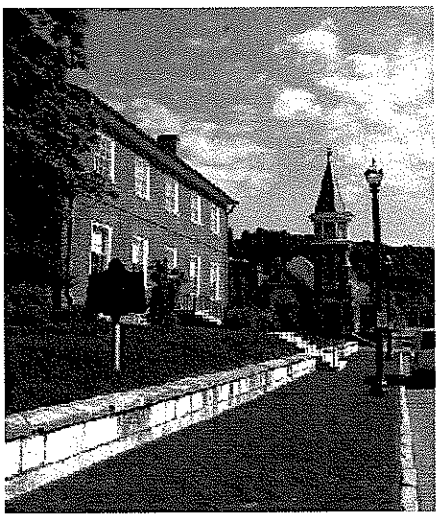
OLD GOVERNOR'S MANSION AND KENTUCKY HISTORY CENTER BLOCK STREETSCAPE

Frankfort, Kentucky

ENVIRONMENTS FULLY REALIZED
CARMAN

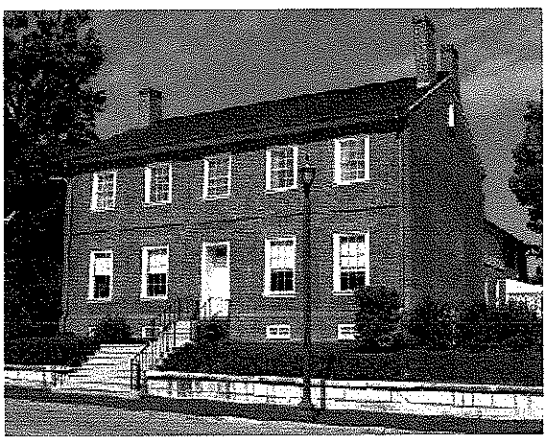
CONTACT: ANDY CASEBIER
DIVISION OF ENGINEERING
175 CAPITOL ANNEX BUILDING
FRANKFORT, KY 40601
(859) 564-3155

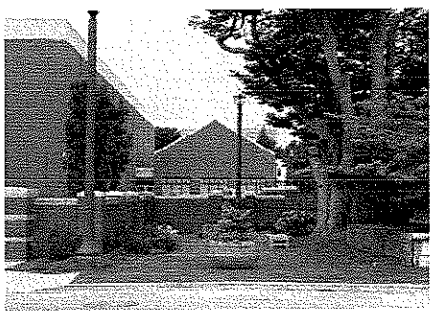


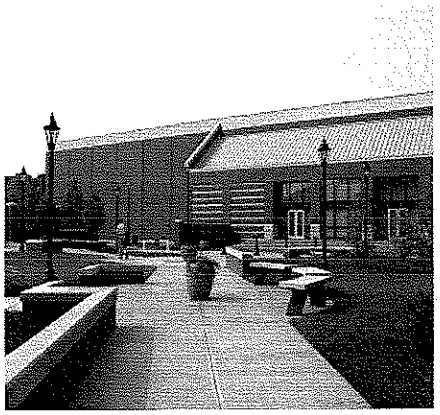
CARMAN. was commissioned to provide planning, design and engineerng for the historic block in downtown Frankfort known as the Old Governor's Mansion and Hisotry Center Block. Plans included construction documents for the restoration of the streetscape including a brick sidewalk and stone stairway along High and Clinton Streets in front of the Old Governor's Mansion. In addition, streetscape enhancements were made for the full block perimeter for the new Kentucky History Center. In conjunction with the Streetscape Enhancements, a public plaza was designed for events associated with the History Center.

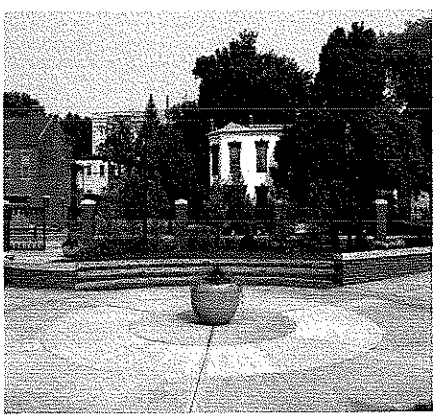
Working in conjunction with the Kentucky Heritage Council and the Division of Historic Properties, CARMAN incorporated historically correct brick patterns and installation methods to restore the historic character of the street frontage adjacent to the Old Governor's Mansion, the oldest official residence still in use in the United States.

Intermodal Surface Transportation Enhancement Act (ISTEA) funds were utilized for this project







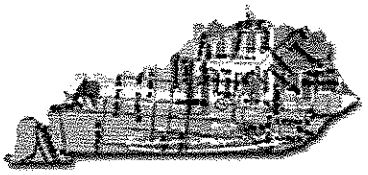


CARMAN
Landscape Architecture, Land Planning, Civil Engineering
310 Old Vine Street, Lexington, KY 40507
Ph: 859.254.9803 F: 859.255.8625
Gallery Square
639 W. Jefferson Street, Louisville, KY 40202
Ph: 502.472.6671
www.carmansite.com

DANVILLE STREETSCAPE AND COMMUNITY DEVELOPMENT

Danville, Kentucky

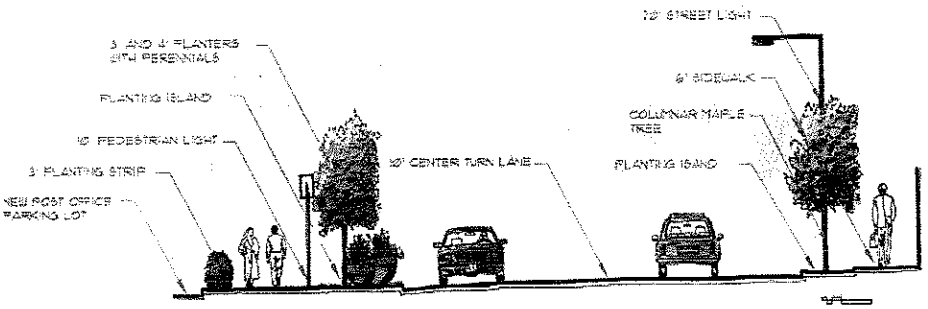
ENVIRONMENTS FULLY REALIZED
CARMAN



CLIENT: THE HEART OF DANVILLE
CONTACT: JULIE WAGNER
DIRECTOR
THE HEART OF DANVILLE
304 SOUTH FOURTH STREET
MCCLURE-BARBEE HOUSE
DANVILLE, KENTUCKY 40422
(859) 236-1909

CARMAN served as the planning consultant for the City of Danville, Kentucky on their Streetscape Renovation / Enhancement program in the Central Business District. The work included evaluation of existing conditions including an assessment of traffic patterns in an effort to widen streets and improve traffic conditions. The CARMAN office prepared plans for **street improvements, sidewalk enhancements**, signage, and lighting for priority areas of the downtown business district, in addition to assisting the City with future funding resources. The CARMAN office also provided cost estimates, phasing recommendations, construction documents, bid administration, construction observation, and construction administration in addition to coordination with utility companies. Construction was completed in July of 2002.

This project was named 2002 Project of the Year in the Right of Way Management Category by the Kentucky Chapter of the American Public Works Association (APWA). It also received the Kentucky Chamber of Commerce Community Enhancement Innovation Award.



Main Street • City of Danville, Kentucky • Cross Section

December, 2000

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Landscape Architecture, Land Planning, Civil Engineering
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Ph: 859.254.9803 F: 859.255.8625
Gallery Square
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Ph: 502.472.6671
www.carmansite.com

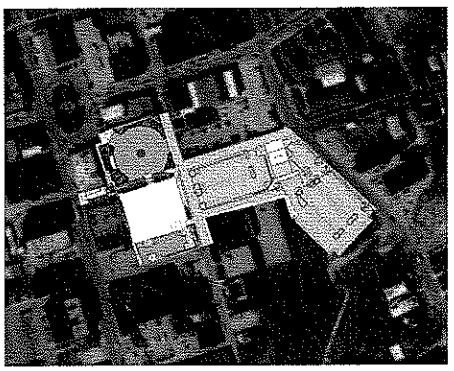
PULASKI COUNTY JUDICIAL CENTER
Somerset, Kentucky

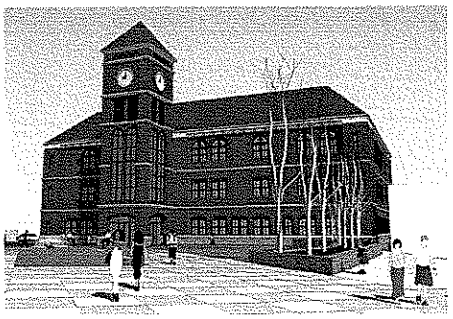
ENVIRONMENTS FULLY REALIZED
CARMAN

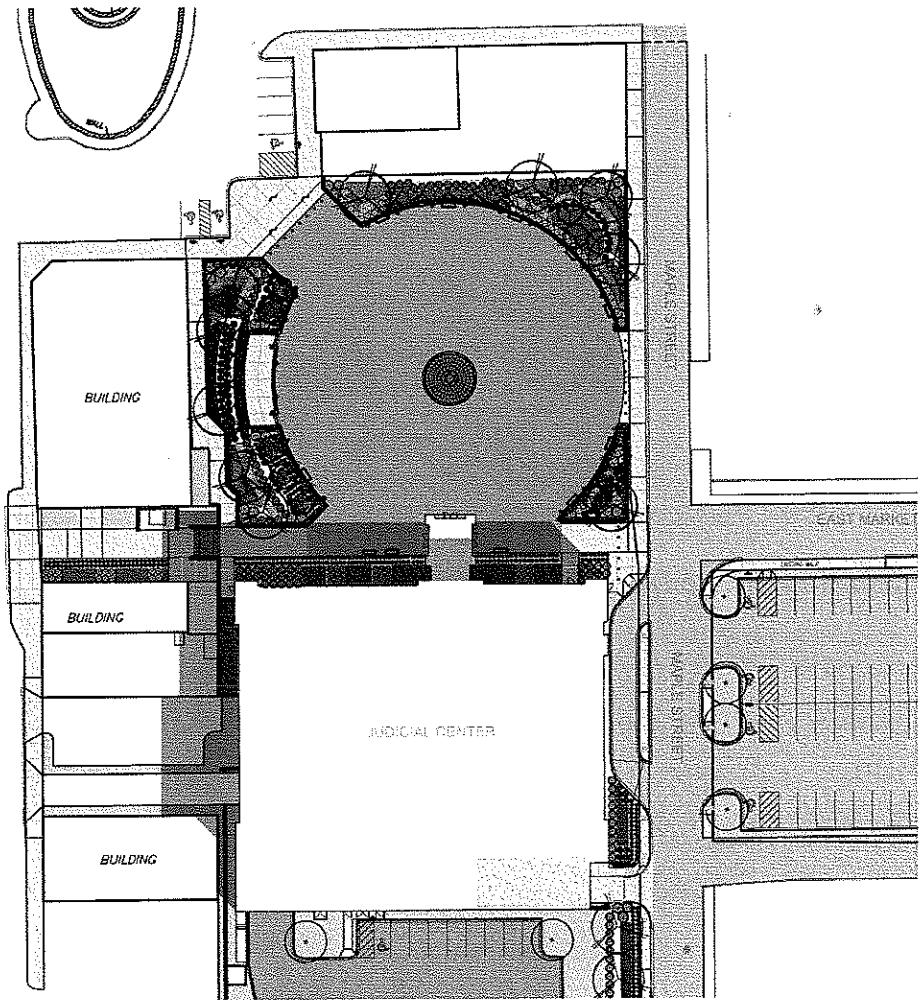
CLIENT: Bennet Rosser International
836 Euclid Avenue
Lexington, Kentucky 40502

CARMAN worked closely with architects Bennet Rosser International in an effort to plan and design the new 100,000 SF Pulaski County Judicial Center located in downtown Somerset, KY. The scope of work for the project included design development and construction documentation for a civic plaza intended to link the Judicial Center and the historic town square, a water feature located in the center of the plaza, the expansion and rehabilitation of off-street surface parking lots, an intense grading and drainage for transition between various elevations surrounding the building, sanitary and stormwater drainage design, and landscape planting plan. The Plaza will serve as an urban community gathering for large events.

Currently under construction, this project is anticipated to be completed by the spring of 2010.







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Landscape Architecture, Land Planning, Civil Engineering
310 Old Vine Street, Lexington, KY 40507
Ph: 859.254.9803 F: 859.255.8625
Gallery Square
639 E. Jefferson Street, Unit 102
Louisville, KY 40202
Ph: 502.742.6581
www.carmansite.com

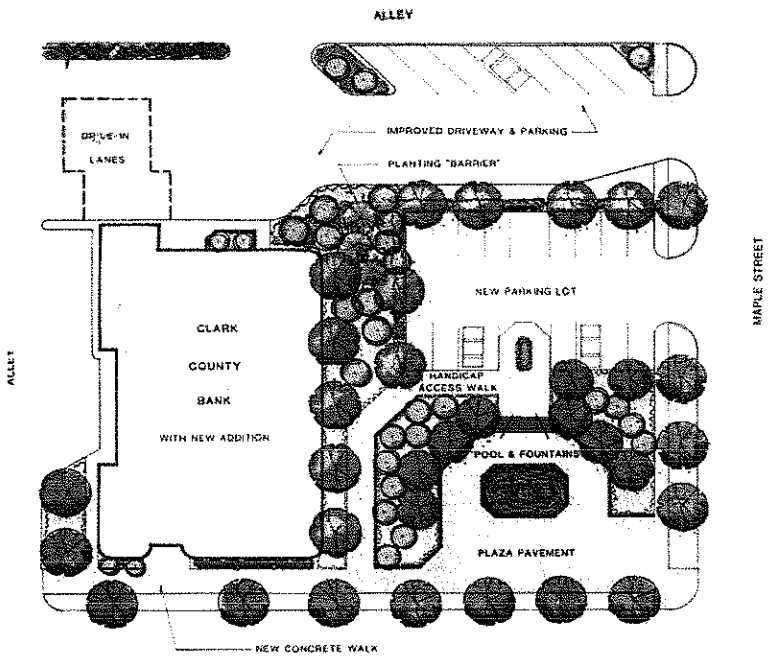
CLARK COUNTY BANK PLAZA
Wincehster, Kentucky

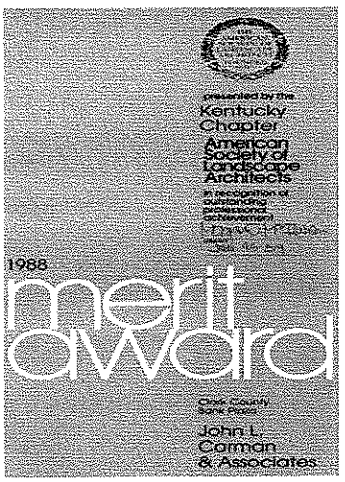
ENVIRONMENTS FULLY REALIZED
CARMAN

CLIENT: CLARK COUNTY NATIONAL BANK
WINCHESTER, KENTUCKY

Clark County Bank (currently Kentucky Bank) renovated their main branch in downtown Winchester and through the process demolished an adjacent building on a very prominent corner of downtown. The vacant land gave the bank an opportunity to redesign their parking and drive-thru banking areas, in addition to enhancing the overall site. CARMAN provided plans and specifications for new parking areas, drive-thru lanes, and an urban plaza for the very visible corner in the central business district. The plaza contained extensive landscaping, a large feature fountain, open space, and seating walls. The redesign of the site greatly improved vehicular and pedestrian traffic flow.

This project subsequently received a Design Award from the Kentucky Society of Landscape Architects.





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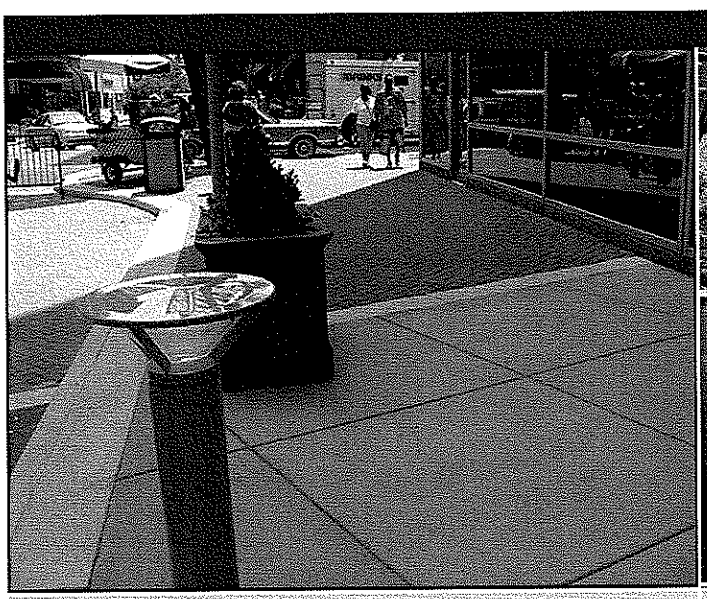


4th Street Live Public Improvements
Contact: David Newman
Bravura Architects
584-3966

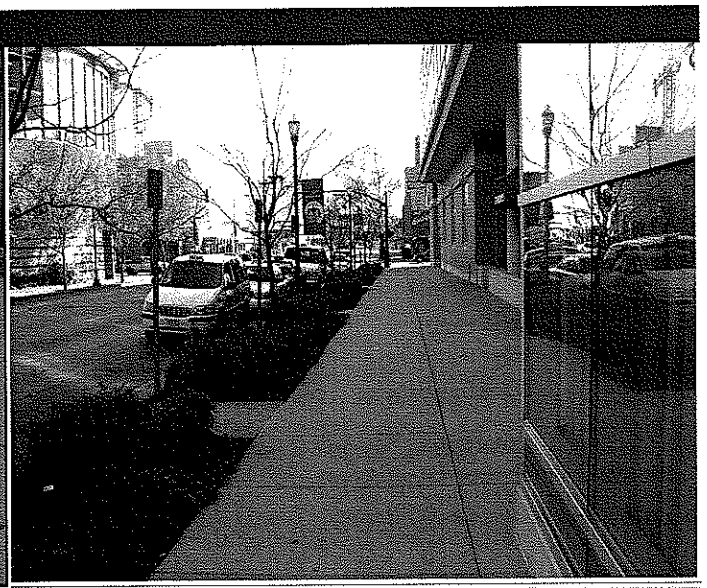
Project Details
2002-2003
Urban Design
Reconstruction

Project History
Conceptual/schematic design for this project was provided by Bravura Architects and HDR provided the construction plans and specification.

The scope of work was to fully reconstruct 4th Street between Liberty Street and Muhammad Ali to allow for the development of an entertainment district by the Cordish Company. Initial planning included the idea that the street would be closed to vehicular traffic during seasonal weather conditions, so pedestrian access and ease of crossing was paramount.

Engineering services included site grading and drainage, site details, utility coordination and design, and construction administration. All work was coordinated with the local review agencies.

Surveying services included full topographic survey of the area (including utility survey), condominium descriptions for commercial spaces within the complex, setting control points and construction staking.



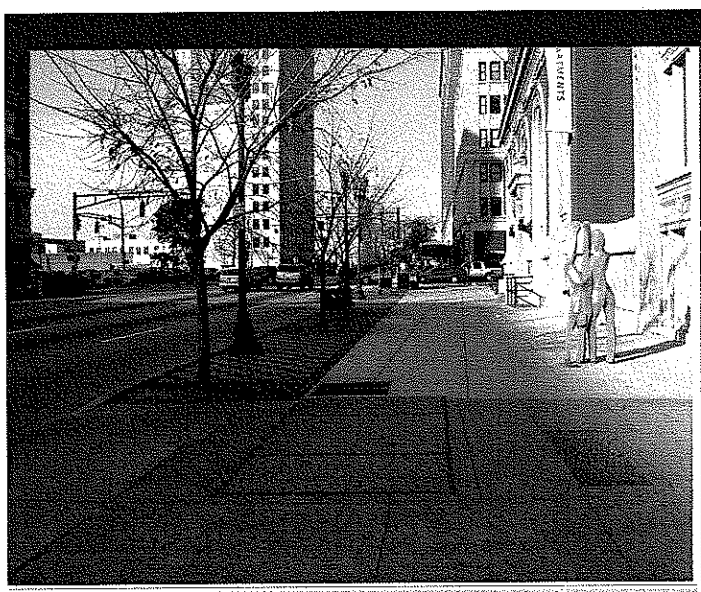
Marriott Downtown Hotel Site Development
Contact: David Young
RATIO Architects
317-633-4040

Project Details
2001 - 2003
Urban Design
Reconstruction

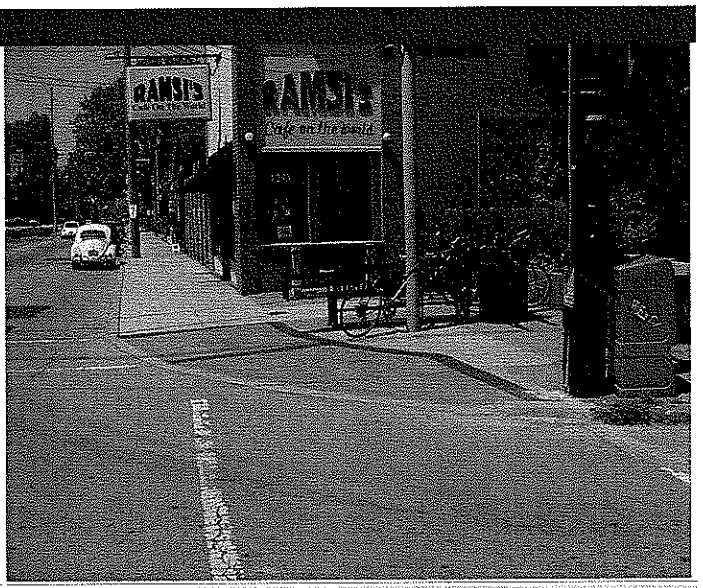
Project History
HDR provided full civil engineering and surveying services for the development of the new 17 story, $70M Marriott Hotel in downtown Louisville.

Surveying services included an ALTA survey of the site, full topographic and utility survey, air space easement description for a pedestrian bridge over 2 streets (3rd and Jefferson), and establishment of horizontal and vertical control points for use during construction.

The engineering design included all site grading and drainage, public right-of-way improvements surrounding the site (new curbs, sidewalks and landscaping), utility coordination and design, and construction administration. HDR also provided local coordination and approvals through the review agencies.



Broadway Public Improvements
Contact: Patricia Clare
C/O Downtown Development
584-6000



Bardstown Road Public Improvements
Contact: Drew Shryock – Retired
Metro Development Authority – Office for Business Services
458-2686

Project Details
2003 - 2004
Urban Design
Reconstruction

Project History
This project included two block faces on West Broadway; in front of the St. Francis School and adjacent to the Heyburn Building.

We worked closely with Kristin Booker of the Louisville Metro Planning and Design staff to develop a streetscape plan to improve the public right-of-way in front of these properties that would resolve safety concerns with the sidewalk condition and improve utilization of the right-of-way. Planning and Design had been working with those property owners to respond to their concerns.

Work included the demolition of existing curbs and walks and replacement with new curbs, curb bump outs, concrete sidewalks, pavers, street trees, benches, street lighting, and associated drainage modifications. The Heyburn Building also had a basement extending out under the sidewalk, which required a structural slab design.

Services also included field survey and coordination with the property owners.

Project Details
2004
Urban Design
Reconstruction

Project History
HDR worked closely with Louisville Metro Office for Business Services and Councilman Owen in the development of plans for public improvements along Bardstown Road between Grinstead Drive and Speed Avenue.

Services included development of a streetscape plan which was critiqued and approved by the Bardstown Road Business Association, and a full sidewalk and curb condition assessment.

The streetscape plan focused attention on the intersections to provide design elements that would tie this long corridor together. The design included brick pavers, benches, trees, and trash receptacles where appropriate given the tight conditions at many locations. Construction plans were developed in two phases, with the first work between Grinstead and Longest completed in 2005. A second contract for the intersections at Bonneycastle and Speed is due to begin in late 2008.

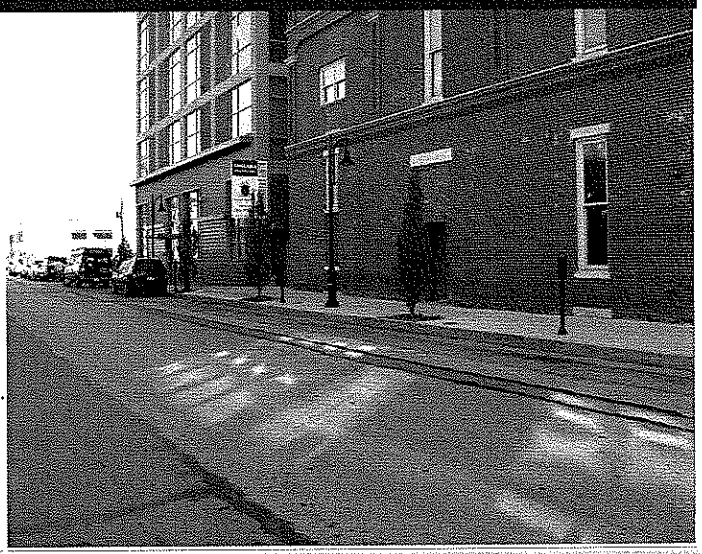
East Main Street Streetscape
Contact: Patricia Clare
C/O Downtown Development
584-6000

Project Details
2005-2007
Urban Streetscape Design
Reconstruction

Project History
This project consisted of the development of plans for the redevelopment of the right-of-way on East Main Street between Floyd Street and Jackson Street, and on East Market Street between Floyd Street and Preston Street. This project was seen as an expansion of the West Main Street Streetscape projects, but was also to complement the construction of the new Residence Inn at Preston and Market as well as other development proposed in the area. HDR worked with Kristin Booker, Metro Planning & Design, who provided the original concepts.

Services include field survey and preparation of plans and specifications. Some construction administration was also provided.

The design provided for the demolition of existing curbs and sidewalks, and replaced them with new curbs, curb bump outs, concrete sidewalks with brick paver insets, street trees, street furniture, new decorative street lighting and associated drainage modifications to accommodate the curb bump outs.



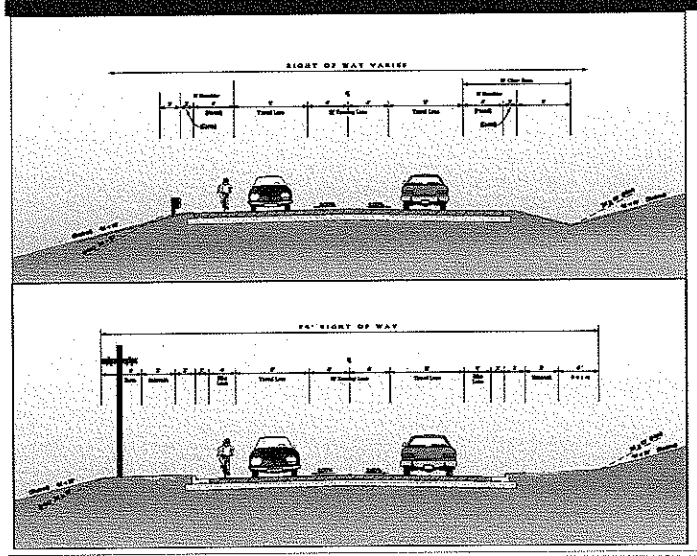
Floyd Street Sidewalk Replacement
Contact: Patricia Clare
C/O Downtown Development
584-6000

Project Details
2007
Urban Design
Reconstruction

Project History
This project was in response to an ongoing building renovation project for the Merccantile Lofts at the corner of Floyd and Market Streets. The existing sidewalk adjacent to the building was badly deteriorated and had grade problems relative to the new renovation.

Service provided included field survey and preparation of plans and specifications. Coordination with the abutting property owner and his architect was also an important part of the process.

HDR developed plans which would complement the adjacent new sidewalks that had been constructed on East Main Street. The major design challenge was to raise the grade of the sidewalk adjacent to a new entry way, which then created grade problems at the curb line. Since the existence of the curb made any lateral access non-handicap accessible, we designed a step up behind the curb to make up the grade differential.



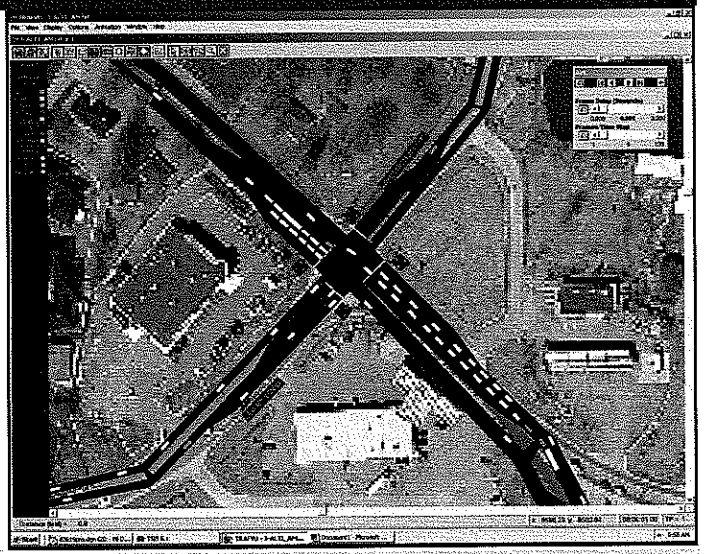
Mt. Washington Road Reconstruction
Contact: Brian Meade
Kentucky Department of Highways – District 5
210-5400

Project Details
2006 - 2007
Phase I Design
Reconstruction/Widening

Project History
This work encompassed development of preliminary plans for the improvements to approximately 2.7 miles of Mt. Washington Road from Preston Highway to Thixton Lane. The project goals were to improve traffic operations, congestion, and the level of safety on this roadway that is hindered by poor geometrics. Context sensitive design was a top priority when setting the proposed alignment due to the close proximity of a blue line stream, a Metro Park, and possible historic home.

The existing 2-lane rural road is being replaced by an urban, 3-lane section, including bike lanes and sidewalks. One proposed option was to lower the existing road grades in areas to limit construction costs and produce a better final product.

Successful team and public meeting drove the proposed solution to help mitigate continuous traffic and safety issues, particularly at and near the intersection of Standiford Plaza Drive and Mt. Washington Road.



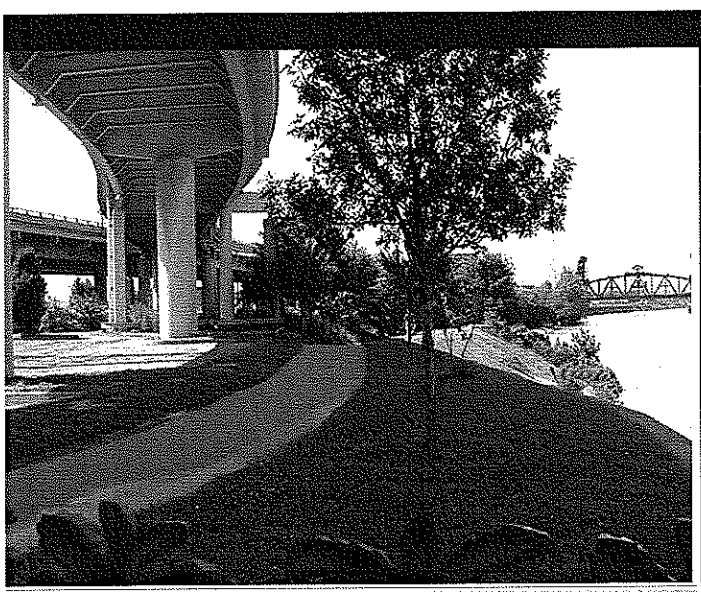
Outer Loop Reconstruction
Contact: Brian Meade
Kentucky Department of Highways – District 5
210-5400

Project Details
2000 – Present
Phase I and II Design
Reconstruction

Project History
This work encompassed development of preliminary and final construction plans for the reconstruction of Outer Loop from Beulah Church Road to Apple Blossom Place. This area has been plagued by excessive delays during the peak hours due to lack of adequate lane power and the operational issues associated with two signalized intersections located less than 800' apart.

Following the first public meeting, HDR developed 10 alternative alignments, which were reduced to three and again taken to the public for comments. Prior to this public meeting, we developed a CORSIM model of the traffic movement with each alternative. We also analyzed intersection delays and capacity analysis for each alternative. This model was used at the public meeting as a visual tool to demonstrate the effectiveness of each of the various alignments.

Comments at the public meeting generated the selection of the preferred alternative, which was developed into Phase II design.



Riverwalk
Contact: Sushil Gupta – Retired
Department of Public Works
253-4581

Project Details
1992-1993
Urban Design
New Construction

Project History
HDR served as a subconsultant to EDAW on this project and provided survey, design and construction documents for the 7-mile project. This project provided a recreational path for all non-motorized modes of travel and at the time was a connection from downtown at the wharf to Chickasaw Park.

Design elements of the path included development of several overlooks which portrayed some aspect of the rich history of the City. The path itself is an asphalt section, ranging from 8' to 10' wide and substantial to withstand vehicular traffic associated with maintenance activities.

Due to the location along the Ohio River, drainage (both surface and subsurface) during flooding conditions was an issue that was resolved through the use of strategically placed sags and slope protection as well as granular base materials to allow free drainage. More recently, HDR provided plans for a new alignment just west of 9th Street to provide a connection that had access during high water conditions.

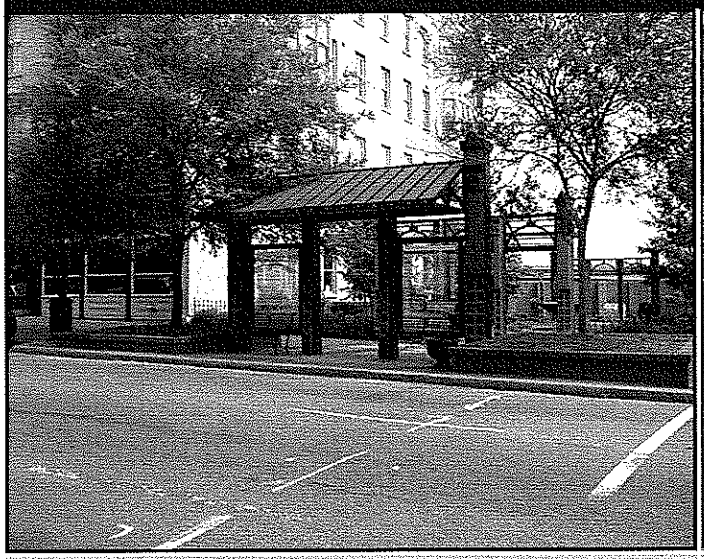
6th Street Public Improvements
Contact: Patricia Clare
C/O Downtown Development
584-6000

Project Details
2007
Urban Design
Reconstruction

Project History
This project initiated Louisville Metro's program to expand the use of granite curbs in the Central Business District.

Working with Michael McCoy of the Center for Neighborhoods, the HDR team developed a sidewalk paver design for corners that could be duplicated throughout the CBD. The pavers were a granite block over a sand bed. The granite curbs were 6" x 15" sections with a cut top and split face.

Services included field survey and engineering plans and specifications for 6th Street between Main Street and Congress Alley. Plans included structural details to handle basement extensions under the sidewalk. The plans also called for street milling to lower the grades along the curb line to be able to provide an approximate 6" curb height along the project.



W. Main Street Improvement (600-900 Blocks)
Contact: Sushil Gupta – Retired
Department of Public Works
253-4581

Project Details
1991 - 1993
Urban Streetscape Design
Reconstruction

Project History
HDR worked with EDAW, both as a subconsultant and as Prime, for the development of concept through construction plans for the redevelopment of three blocks of downtown Louisville and a small park.

The vision for restoring the 600, 700, and 800 blocks of West Main Street was to create a cultural and historic district that was already anchored by museums and art galleries. Design elements that were used to enhance the new district included new brick sidewalks, granite curbs, street trees, street furniture, new bus shelter, and public art pieces. Design and construction was complicated by many basements that extended under the sidewalk.

Fort Nelson Park was designed and reconstructed following the West Main Street work, and involved upgrading this small, largely neglected park which sat on a difficult, steep site. The final design included a large fountain as a central focal point, landscaping and lighting. Coordination with an abutting condominium and museum was integral to the design process.

W. Main Street Improvements (200-500 Blocks)
Contact: Patricia Clare
C/O Downtown Development
584-6000

Project Details
2000 - 2001
Urban Streetscape Design
Reconstruction

Project History
HDR provided landscape architecture and civil engineering services towards the redevelopment of four blocks of West Main Street (200, 300, 400, and 500) in downtown Louisville.

This project was a continuation of the 600-900 blocks project, but was located outside the cultural and historic district. This project expanded many elements of that design where the land use is similar, but the buildings are less significant. Design elements in these blocks included new brick banded sidewalks, new curbs, new street trees, and street furniture. Curbs were also bumped out at strategic intersections to improve pedestrian movements.

Another design element within this project was the installation of concrete paver to infill the 2nd Street/Main Street intersection, a major entry point into downtown. These pavers are laid in a fleur-de-lis pattern.

WHO WE ARE/ WHAT WE DO

Leni Schwendinger Light Projects LTD creates illuminated environments and masterplans for public spaces all over the world. These works energize architecture, landscape, transportation and transit infrastructure with the ultimate objective of connecting people to each other and to their surroundings, especially during the nighttime hours.

For over a decade, her Light Projects studio has been a magnet for professional multi-disciplinary collaborations - with project-specific design teams staffed by architects, engineers, and graphic designers committed to Leni Schwendinger's vision and perfectionist mandate.

Balancing technological sophistication, solid project management and artistic verve, the Light Projects methodology has produced a distinctive series of interactions with clients ranging from state and municipal agencies and architectural and engineering firms to museums and events planners.

Light Projects studio has enjoyed extensive press and media coverage. Leni Schwendinger has lectured and taught widely throughout the United States, Europe and Japan, and is currently on the faculty of Parsons School of Design; Architecture, Interior Design and Lighting Department, in New York City. The firm is a certified New York WBE.

Recent projects include *Chroma Streams; Tide and Traffic*, a site-specific integrated light installation exploring the relationship between the flow of traffic and the changing tides below Kingston Bridge in Glasgow, Scotland. Another project, a towering landmark in Brooklyn, New York – the Coney Island Parachute Jump, designed illumination reflects calendar events and tidal patterns all-year-round.

Completed in 2008, the *Triple Bridge Gateway* for The Port Authority of New York and New Jersey is a dynamic re-visualization plan for four elevated bus ramps in midtown Manhattan.

For Liberty Science Center, Leni Schwendinger has designed a light installation that captures the movement of every visitor as they circulate throughout the Great Hall. The composite of the movements of many creates an ever-changing three-dimensional "spatial portrait" that is suspended in the mid-space of the Hall, eleven feet above the floor. "A Spatial Portrait" opened in February 2009.

With public-lighting and illumination increasingly influencing the global language of urban design, and thus the language of urban experience – Light Projects invites you to share Leni Schwendinger's vision in creating the next generation of luminous environments and cityscapes.

Current and Recently Completed Design Commissions and Consultations

North Embarcadero Visionary Plan
San Diego, CA – Current

Shanghai Jiading New City Development Co.
Jiading New City Park
PM: Sasaki
Site: Lighting concepts for 77 acre urban park
Shanghai, China

Two America Plaza
San Diego, CA – Current
Architects: Civitas

The New York Botanical Garden Conservatory
Bronx, New York
Illumination of eleven Victorian glass houses and their living collections

St. Louis Arch Connector Park
St. Louis, MO
Illumination concepts for a park to cover a highway, connecting the Saarinen/Kiley Arch grounds to the city
Landscape Architect: Thomas Balsley Associates

St. Louis Gateway Mall
St. Louis, MO- Current
Illumination Masterplan
Landscape Architect: Thomas Balsley Associates

Department of Design and Construction:
New York, NY – Current
Reconstruction of six Pedestrian Bridges in New York City Boroughs
Consulting Engineers:
Weidlinger Associates (3 bridges)
Dewberry-Goodkind (3 bridges)

***Triple Bridge Gateway*, Port Authority**
Bus Terminal
New York, NY
Color, light and glass enhancements for facades and bus ramps
Architect – Passanella +Klein Stolzman + Berg

Dallas Main Street Garden Park
Dallas, TX – Current
Illumination Concepts and Public Art Project
Landscape Architect: Thomas Balsley and Associates

New Stapleton Waterfront
Waterfront park and public plaza (30 acres)
Staten Island, NY- Current
Architects- Wallace, Roberts, & Todd

Greenpoint/Williamsburg Waterfront
Masterplan
Brooklyn, NY- Current
Landscape Architects- Donna Walcavage & Associates

Flatbush Avenue Streetscape
Brooklyn, NY- Current
Architects- Donna Walcavage and Associates

Hoboken Ferry Terminal Renovation
Hoboken, NJ
Exterior and interior
Engineers - STV
Architect – Beyer Blinder Belle

Christina Crescent
Corporate plaza and park
Wilmington, DE- 2007
Landscape Architects- Wallace, Roberts & Todd

Jamaica Center Underpasses
New York, NY – 2006
Enhancements and illumination
Engineer – Daniel Frankfurt, PC

HTO Park
Toronto, ON - 2007
Waterfront Landscape
Architect – Janet Rosenberg and Associates

Coney Island Parachute Jump Illumination
Brooklyn, NY 2006
Tower Illumination
NYC Economic Development Corporation
Engineers – STV

Additional Public, Hospitality, and Retail Design Commissions

Kingston Bridge
Glasgow, Scotland – 2004
Signature Illumination
Architect – McKeown Alexander IPjMP

Nissan Styling Studio
Farmington Hills, MI – 2004
Design Spaces, viewing area, and landscape
Architect – Luce et Studio
Award: AIA

Seattle Opera House, McCaw Hall
Seattle, WA – 2003
Signature Illumination spanning 350' promenade
Architect – LMN Architects
Awards: ASLA, LUMEN

Cornell Medical Center
New York, NY – 2004
Courtyard and entryway
Landscape Architect – Donna Walcavage

IFC Center
New York, NY – 2004
Theater (multi-screen) renovation with editing suites and bar/restaurant
Architect – Bogdanow and Associates

Rockefeller University
New York, NY – 2004
Residence for graduate students, including lobby and back garden
Architect – Meta Brunzema Architects

St. George Station
New York, NY – 2004
Intermodal Transportation Center: interior and exterior
Architect – Hellmuth, Obata + Kassabaum

Metropolitan Pavilion
New York, NY – 2002
Event and exhibition hall: lobby
Architect – Meta Brunzema Architects

Gracie Mansion
New York, NY – 2002
Ballroom and museum room
Interior Designer – Drake Design Associates

XL
New York, NY – 2000
Nightclub in Manhattan: façade and interior
Architect – Desgrippes Gobe Associates

Various Locations – 1998 – 2000
The Wedding List: Boston Flagship
Godiva Chocolatier: upgrade
Reebok: conceptual design
Northern Reflections: prototype store
Architect – Desgrippes Gobe Associates

Children's Museum of Manhattan
New York, NY – 1999
For "Body Odyssey": exhibition lighting and luminous sculptural element design

Armani Exchange A|X
New York, NY – 1998
Manhattan Flagship
Architect – United Designers (London)

Joop! Jeans Magic – Men's Apparel Show
Las Vegas, NV – 1996
Design of exhibition trade show booth

Rhode Island Convention Center
Providence, RI – 1996
Light/Sculpture environment for 500' overpass tunnel

Denver International Airport, City of Denver
Denver , CO- 1994
Light/sculpture environment for mile-long shuttle train tunnel
Award: IALD

Lighting Design Concepts

High Line
New York, NY— 2002

Cortelyou Road
New York, NY — 2004
Streetscape
Landscape Architect -Donna Walcavage

Windows on the World
New York, NY – 1998
Wall art concept
Architect – Hardy Holzman Pfeiffer

Donna Karan
New York, NY – 1997
Design Concept for retail store at Caesar's Forum, Las Vegas, NV

Samsung Mega
New York, NY – 1997
Invited lighting competition for Samsung Megaport in Seoul
Architect – Rafael Vinoly Architects

Internal Revenue Service
GSA, New Carrollton, MD – 1996 (concept)
Pedestrian bridge: sculpture and lighting
Architect – Kohn Pedersen Fox Associates

Air Canada Centre
Toronto, Ontario, Canada – 1996
Design Concepts
Architect – Brisbin Beynon Brook

California Museum of Science and Industry
Los Angeles, CA – 1990
Exhibition lighting concepts:
Our Urban Environment

Installations and Exhibitions

National Design Triennial: Design Life Now, 2007
Cooper-Hewitt National Design Museum
Documentation of projects
New York City, NY USA

Fashion in Colors, 2006
Cooper-Hewitt National Design Museum
Design concepts and illumination of exhibition
New York City, NY USA

Anchorage Museum of Art
Anchorage, AK – 1999
Vanishing Garden

Syracuse University, 2005
Building installation for groundbreaking event
Syracuse, NY USA

Security
New York, NY – 2002
Gallery Installation
Installation Artist – Julia Scher
Storefront for Art and Architecture
New York, NY -1999
Exhibition, Hell's Kitchen: Developing Strategies

Glasgow, Scotland - 1999
Water Above Water, A Sublime Floating Landscape
Award: IES LUMEN

Whitney Museum of American Art
New York, NY -1995
Not Dreaming in Public, collaboration with audio artist, Ben Rubin

Axis Gallery: Earth Paper Exhibition
Tokyo, Japan – 1995

Manhattan's Farley General Post Office
Brooklyn Academy of Music
New York City, NY -1993
Public Dramas/Passionate Correspondents

OPEN HOUSE, Art and Life
Tokyo, Japan -1993
The Urban Heart, a Homebody?
Collaboration with Ushida/Findlay Architects

Institute of Contemporary Art
Philadelphia, PA – 1990
Ephemeral Building-Building Art

Creative Time City Wide
New York City, NY
Holland Tunnel Drive-In Billboard

Fairmount Park Art Association
Philadelphia, PA – 1987/1988
Light-Up Philadelphia Study

Emilio Ambasz, Architect
Dusseldorf, Germany – 1986
Sculpture light Installation for the International Printing Fair.

Alternative Museum – Luminosity Exhibition
New York City, NY -1986
Unchartable Regions

Urban Planning, Conferences, and Workshops

LUCI Association
(Lighting Urban Community International)
Annual General Meeting 2008
San Luis Potosi, Mexico

:byLIGHT
Malmo, Sweden

City.People.Light, Philips Design 2007
Philadelphia PA, series of international workshops with presentation in Rotterdam

Aaron Davis Hall
New York, NY – 2002
A Shared Vision: for a new outdoor space in Harlem, the city within the city. Keynote speaker and workshop leader for envisioning session.

Lights In Alingsås
Alingsås, Sweden – 2002
Temporary installations for town-wide lighting attraction. Including teaching and lecturing.

Wall Street Rising
See Downtown in a New Light
New York, NY – 2002
Lighting strategy for Wall Street District

Hell's Kitchen South – Developing Strategies
New York, NY 1999 – 2002
Community design conference, workshop and exhibition documented in a publication by Design Trust for Public Space

Caltrans and Los Angeles County
Transportation Commission
Los Angeles, CA – 1990
Program planning for public art in light-rail and express-bus stations

California Arts Council: Express Bus
Art Plan – 1991

Event Lighting
Annual Publicolor Gala
Selected venues have included public schools, restaurants,
New York City, NY

Mars 2112
New York City, NY
Star Wars premiere party
Visual design based on Mondrian exhibition: lighting of panels and décor, custom lantern design

USS Intrepid (Battleship Museum)
New York City, NY 1995
Commander's Ball
Entertainment backdrop projections and light-centerpieces

Takashimaya Department Store
New York City, NY
American Society of Interior designers' Gala
Lighting Design and projection.

Metropolitan Museum of Art
Blumenthal Patio
New York City, NY 1987
Moonlight at the Alhambra
Lighting for Oscar DeLa Renta special event

Awards and Grants

(SEGD)
Society for Environmental Graphic Designers
2008 Honor Award

AIA Project Merit Design Award 2008

Canadian Institute of Planners
Planning Excellence in Urban Design Award for the Gateway Mall Master Plan 2008

IESNY Lumen Citation 2007

IESNA, IIDA Award of Merit 2007

The New York Landmarks Conservancy
Lucy G. Moses Preservation Award 2006

New York Construction Magazine
Award of Merit 2006

IESNY Lumen Citation 2006
IESNY Lumen Award 2004

National Design Award Finalist 2004

NAWBO Signature Award Finalist 2002

NY Foundation for the Arts Fellowship 2001

Glasgow 1999: UK City of Architecture and Design – Project Support 1999

Society for Environmental Graphic Design
Honor Award 1997

International Association of Lighting Designers
Award Citation for Excellence 1996

Arts International Travel Grant 1993

National Endowment for the Arts: Japan Residency 1991

Japan – U.S. Friendship Commission: Project Support 1991

Andy Warhol Foundation: Grant Visual Arts/ Theatre Collaboration 1990

Bennington College and Williams College: Residency

Art Matters: Project Grant 1989

NYC Department of Economic Opportunity: Business Mentorship Program 1989

National Endowment for the Arts: Art in Public Places Grant 1988

New York State Council on the Arts: Visual Art/Dance Collaboration 1988

McDowell Colony: Residency 1988

Selected Design Reviews and Features

Time Out New York, 2006

Architectural Lighting 1985- 2007

Syracuse Magazine, 2005, 2006

New York Post, 2005

Sculpture Magazine, 2004, 2006

ID Magazine, 2004

Professional Lighting Design 2003, 2004

Light (Lighting Journal, United Kingdom) 2003

Metropolis 1990, 1993, 1995, 1996, 2000, 2003

Architectural Record 2003

Hospitality Design 2002

Archi-Tech 2002, 2004

Licht & Architekur (Lighting Journal, Great Britain) 1999

Architectural Review (Architectural journal, Great Britain) 1999

How Design Magazine 1997

Visual Merchandising and Store Display 1994, 1997

Architectural Lighting 1985, 1990, 1994, 1995, 2004

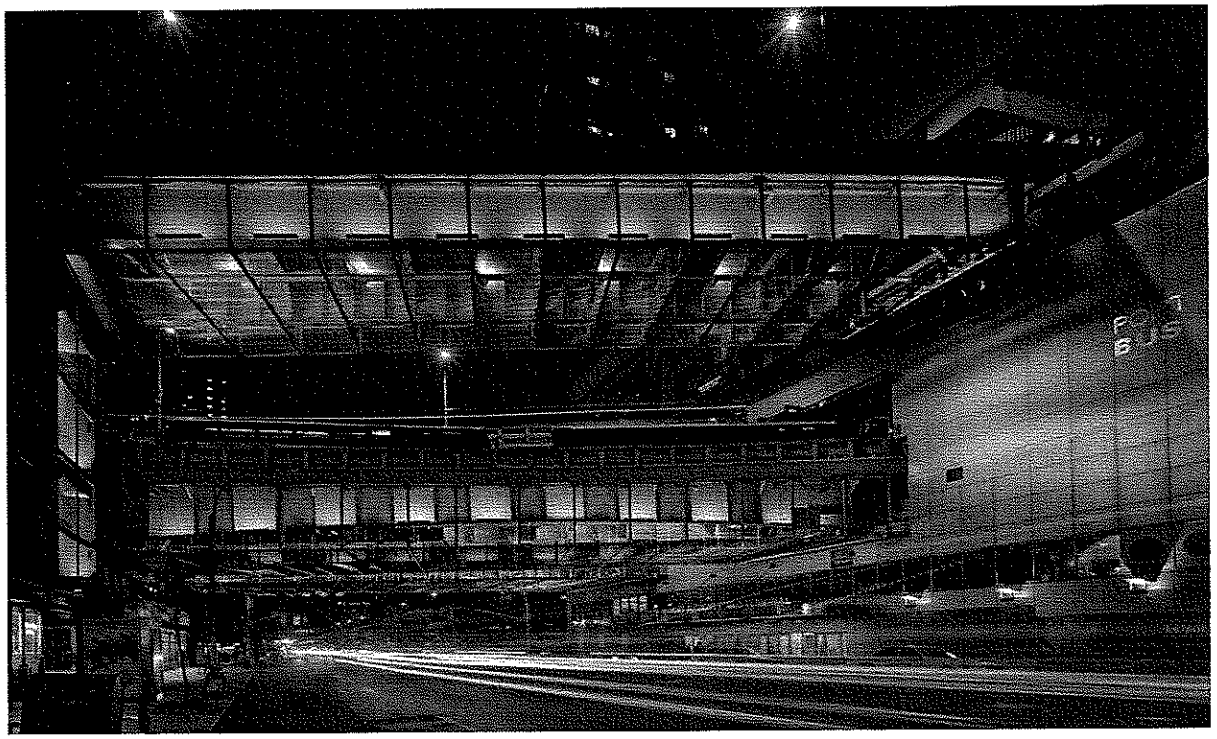
Lighting Dimensions 1990-1995

Public Art Review 1994, 1995, 1996, 2004

Kenchiku Bunka (Architectural journal, Japan) 1993

New York Times 1993

ArtNews 1989



Location New York, NY
Services Lighting, Paint Color Palette and Glazing Pattern Design; Material Consultation
Client Port Authority of NY and NJ, 42nd St Bus Terminal
Completion Date 2008
Cost of Project $2,000,000
Cost of Work $1,500,000
PM PKSB Architects, Kentaro

Triple Bridge Gateway

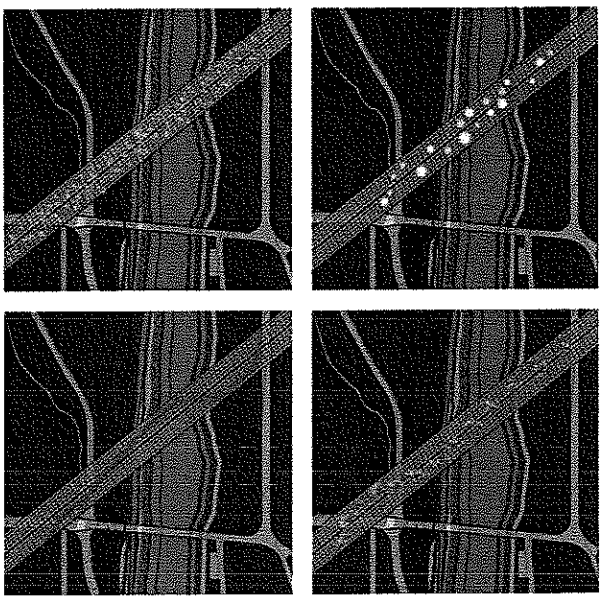
Port Authority Bus Terminal New York, NY

Host to thousands of commuters and travelers on a daily basis, Manhattan's Port Authority Bus Terminal relies on a complex system of ramps and gates for smooth operations. Four ramps spanning Ninth Avenue connect the terminal with the region, and the country, providing access to the Lincoln Tunnel and other roadways. The pedestrian landscape beneath these ramps was previously shadowy and dismal. In 1995, the Port Authority contacted Manhattan Community Board 4 to ascertain the concerns and desires of the local community. Leni Schwendinger was instrumental in the Community Board's Task Force, which compiled design guidelines through a community involvement process. Subsequently Leni Schwendinger Light Projects and PKSB Architects proposed a luminous and colorful architectural design solution for pedestrian and vehicular street traffic, winning the commission. The design choices – from lighting to color pattern – were selected to emphasize the I-beam engineered structure of the bridges. Metal mesh is illuminated by standard lighting fixtures utilized in innovative ways. Reflective panels produce a carpet of light onto the roadbed creating a luminous room in the midst of this urban node. *Triple Bridge Gateway* received the "2009 Award of Merit" from SEGD (Society of Environmental Graphic Designers) and was a featured project in the Architectural League's "New York Designs: Public."

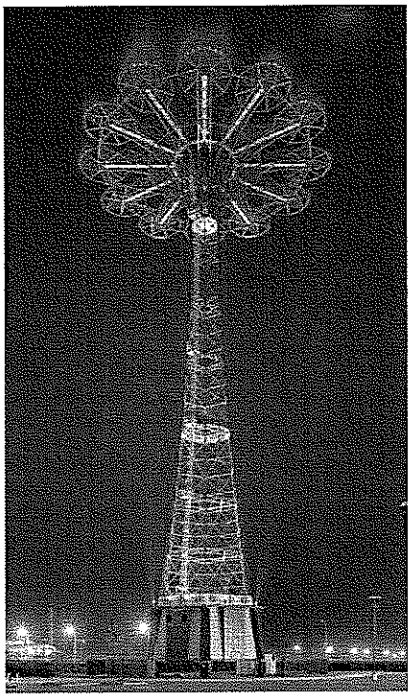
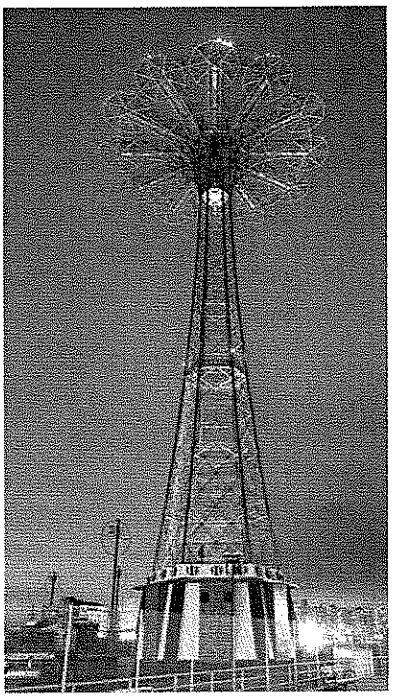
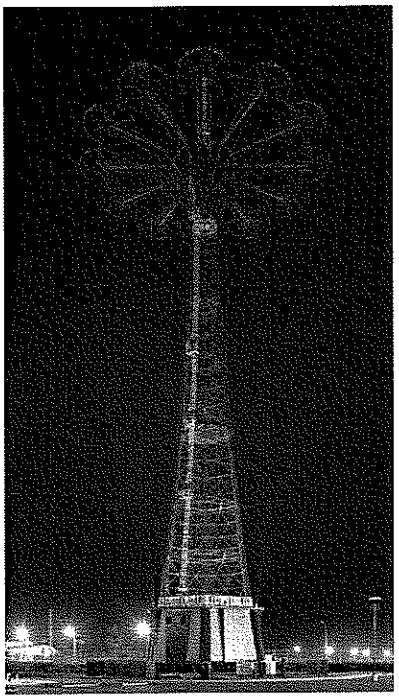
WonderWay: A Marvel Of Light

Public Art Proposal for
Brandywine Park

Golden flickering light: a synthetic marvel of video diodes —fireflies, butterflies and other images —proposes to enliven the truss-field underside of the monumental I-95 Bridge in Wilmington, Delaware. Brandywine Park was established in the 1880s, during the Victorian era. Victorian-designed light poles, bridge designs and monuments are infused into the Park architecture. *WonderWay* proposes to overlay and update the Victorian concept of 'display and discovery' throughout the path between the Delaware Zoo and the Lovering parking lot. WonderWay takes a cue from that vital moment more than a century ago by providing, through the lens of today's public art —a mixage of sculpture, media, education and environmental installation— an opportunity for Brandywine Park and Zoo visitors to observe, learn and discover through the framework of display.



Location: Wilmington, delaware
Services Public Artwork
Date 2006

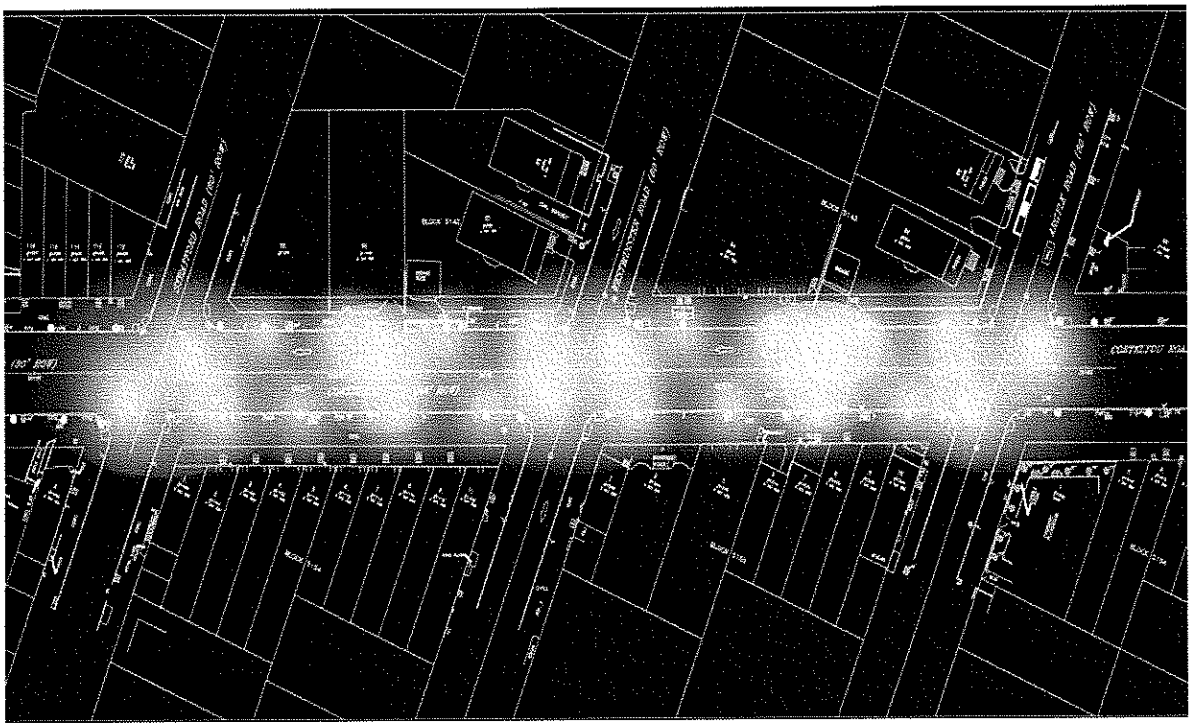
Photography by Arch Photo

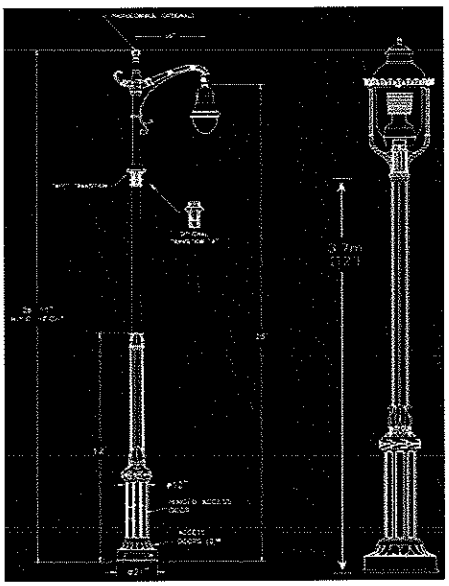
Coney Island Parachute Jump

Coney Island, New York

Illumination concepts for Brooklyn's 250-foot, "Eiffel Tower", the **Coney Island Parachute Jump** was developed with a consortium of owner/stakeholders including the Borough President and Parks Commissioner. The Coney Island district is undergoing revitalization efforts, and this project is seen as symbol and marker of progress. Light Projects' concept for tower evokes the rising and falling of the well-remembered parachutes. Directional lighting was developed for viewer vantage points as far as 1-mile, to as close as 100-feet. Lighting systems include color-changing floodlights and custom-designed light emitting diodes (LED). The brightly sparkling LEDs define the canopy of the tower and the tower itself, are programmed to animate.
For optimal audience connection, a calendar of programmed sequences will play daily - identifying on-and-off boardwalk season, full-moon cycle and holidays. The project was unveiled during a public event July 2006 and recieved the Award of Merit from New York Construction Magazine.

Location Brooklyn, NY
Services Visual Concepts and Lighting Design
Client NYC Economic Development Corporation
Completion Date 2006
Cost of Project $1,600,000
Cost of Work Same as above
PM Albert Thompson (STV Engineers) (212) 614-3425

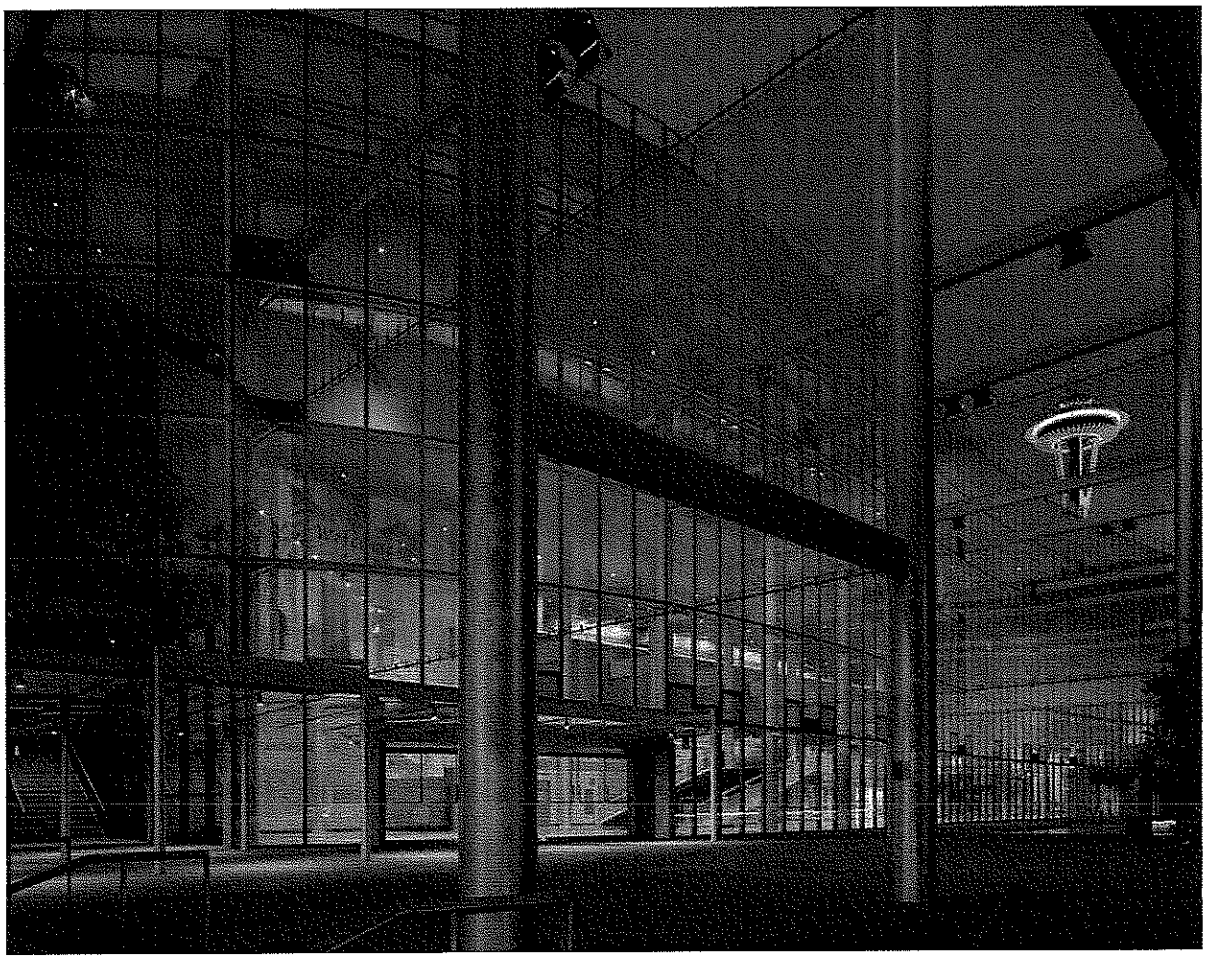


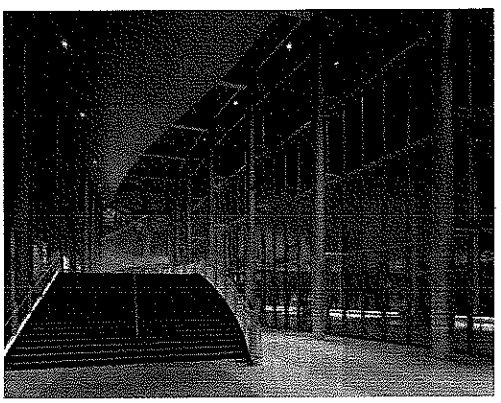


Cortelyou Road

The revitalization of the neo-Victorian Cortelyou Road neighborhood's shopping district will be accomplished by replacing all of the eight block-long cobra-head lighting fixtures with historic lighting poles. Light Projects' scope includes design team participation and meeting with community stakeholders.

Location Brooklyn
Services Lighting Design
Client Gandhi Engineering
Completion Date Not available
Cost of Project Not available
Cost of Work Not available
PM Donna Walcavage
1-718-834-0224





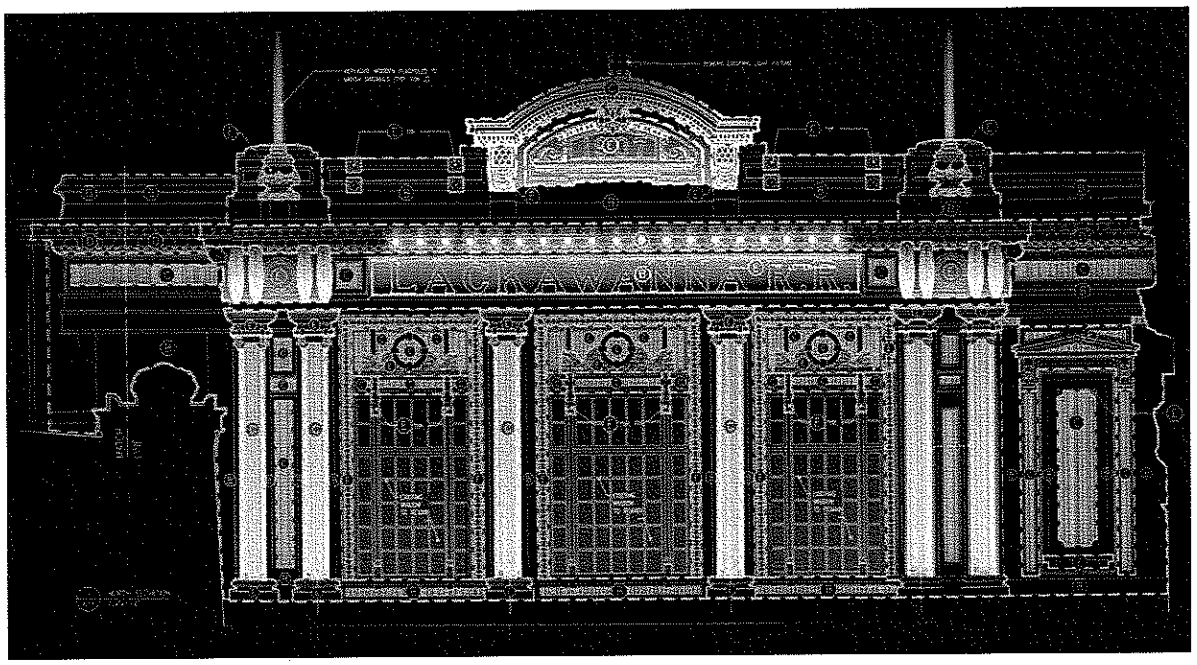
Location Seattle, WA
Services Artwork
Client The City of Seattle
Completion Date 2003
Cost of Project $600,000
Cost of Work $600,000
PM LMN Architects, Mark Reddington 206-682-3460

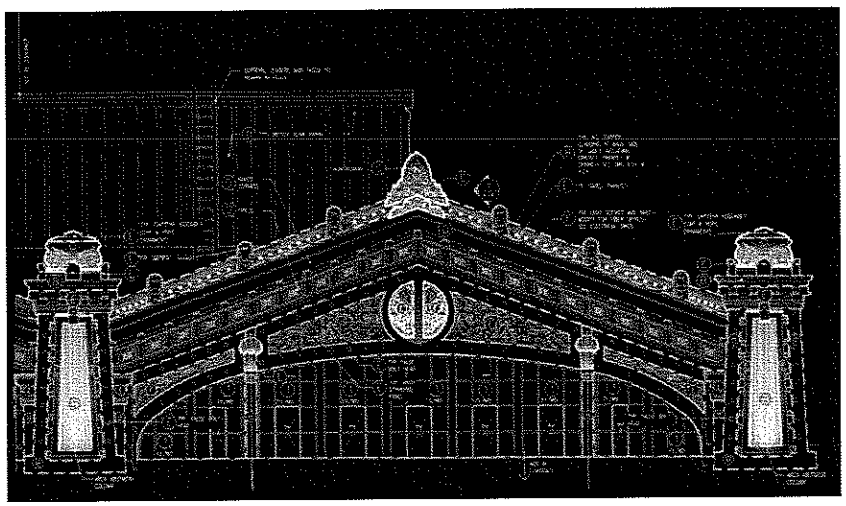
Dreaming In Color

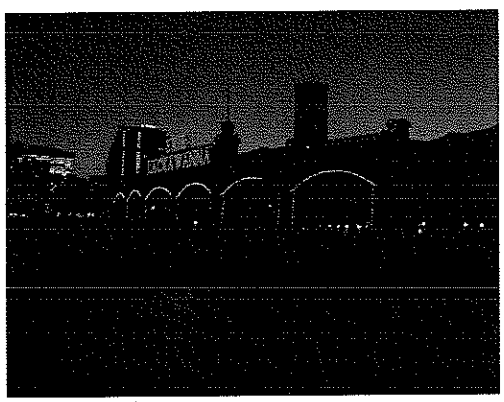
Marion O. McCaw Hall
Seattle, Washington

A series of metal-mesh scrims frame a promenade at Seattle Center's opera house and theatre. Geometrically extending the lobby of the McCaw Hall performance center, the progression of scrims at once define, and echo, the entry architecture. Dreaming in Color is a public artwork that transforms the promenade at night, welcoming visitors into theatrical environment. Dreaming in Color builds on the dynamics of color-theory, as the oversized outdoor scrims become canvases. Perspective viewing of the accumulated, illuminated surfaces magnifies the potential for programmed color mixing as the scrims are virtually transparent. Through calculated aiming angles an orchestrated set of "melodies for the eyes" are heightened by horizontal bands of secondary shades that feather into the wider fields of color.

The Kreielsheimer Promenade of McCaw Hall revieved the 2005 General Design Award of Excellence from American Society of Landscape Architects and the Lumen Award from the Illuminating Engineering Society.







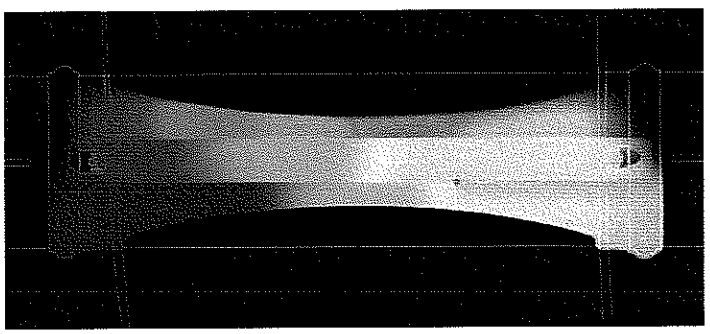
Construction Photo

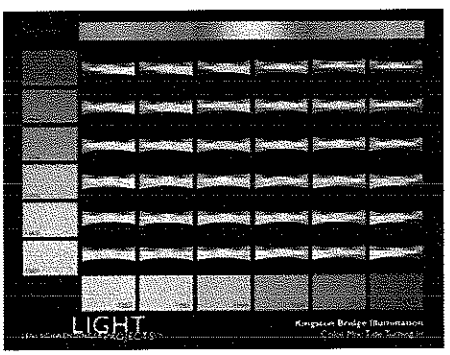
Location Hoboken, NJ
Services Lighting Design
Client STV Inc.
Completion Date 2007
Cost of Project NA
Cost of Work NA
PM STV, Inc 212-6143457
Bruce Jablonsky

Hoboken Ferry Terminal

Hoboken, New Jersey

Light Projects is currently designing the illumination of Hoboken's historic ferry terminal renovation in New Jersey. The project is slated for completion in 2009, which will coincide with the hundredth anniversary of the station's opening. Light Projects' exterior scope includes the copper facade of the ferry terminal building and the immediately adjoining plazas and walkways. The interior scope includes the upper ferry concourse, water-level concourse and the six ferry slip entryways. For the clock tower, LSLP worked with STV and Beyer Blinder Belle to create Design/ Build specifications. Illumination Arts of New Jersey implemented the Clocktower lighting design.





Kingston Bridge

Glasgow, Scotland

Location Glasgow, Scotland
United Kingdom
Services Artwork
Client Glasgow City Council
Department of Development and
Regeneration Services
Completion Date 2005
Cost of Project Not available
Cost of Work Not available

Completed in 2005, *Chroma Streams; Tide and Traffic* is a site-specific, integrated lighting installation for the Kingston Bridge in Glasgow, Scotland, designed by Light Projects with architects McKeown Alexander. This installation will use light in a number of ways: to illuminate and give resonance to the bridge's overlooked surfaces; to heighten its rapport with the flow of the river below it; and to, through a series of shifting and evolving real-time patterns, explore the relationship between the flow of traffic on the bridge itself and the slow change of the tides on the river below.

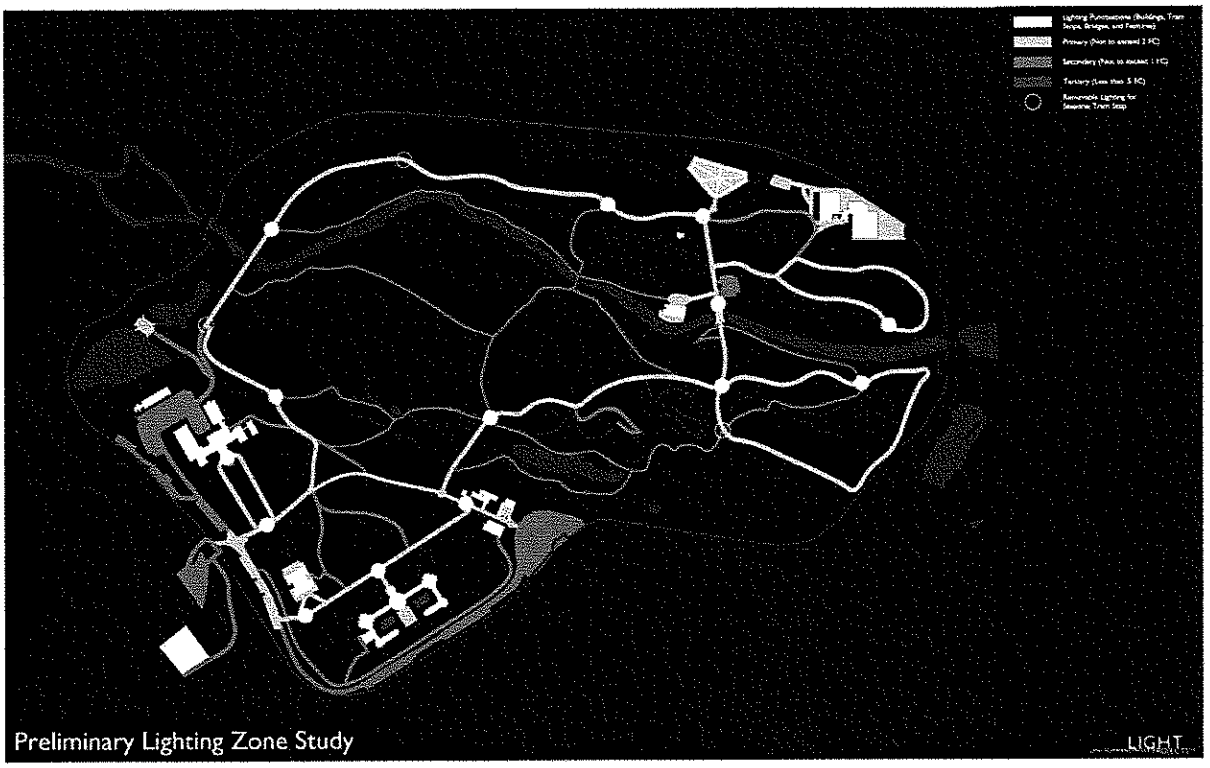


Fig. 1 Preliminary Lighting Study for The New York Botanical Garden

Masterplans

United States and Abroad

Integrated lighting mirrors and intensifies planning objectives. Leni Schwendinger Light Projects LTD collaborates closely with municipal authorities, urban planners and designers, landscape architects and design teams to create masterplans with a luminous dimension. In 1998, Leni Schwendinger contributed concepts to New York City's Battery Park Perimeter masterplan--which proposed relocated statuary and solutions to bicycle and street-side activity.

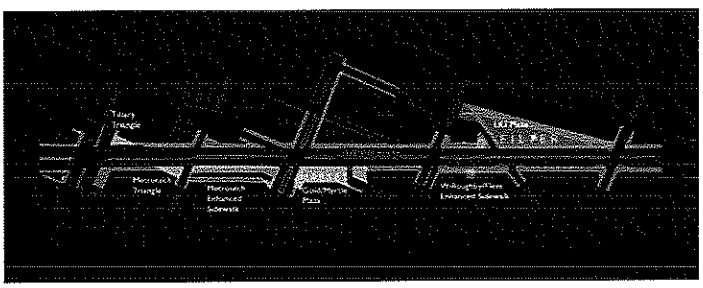


Fig. 2 Flatbush Street Analysis (Part Plan)

For Wall Street Rising (2002), Light Projects created a lighting strategy for Manhattan's downtown district. Other masterplans include St. Louis Gateway Mall (2007), the Zayed Masterplan for a district in Dubai (2007) and the Greenpoint Williamsburg Waterfront Masterplan in Brooklyn (2008).

In 2007 Leni attended the prestigious city-people-light conference in Rotterdam where she joined with international colleagues to discuss and develop the future of urban environmental lighting – a culmination of Philips Lighting research in four countries.

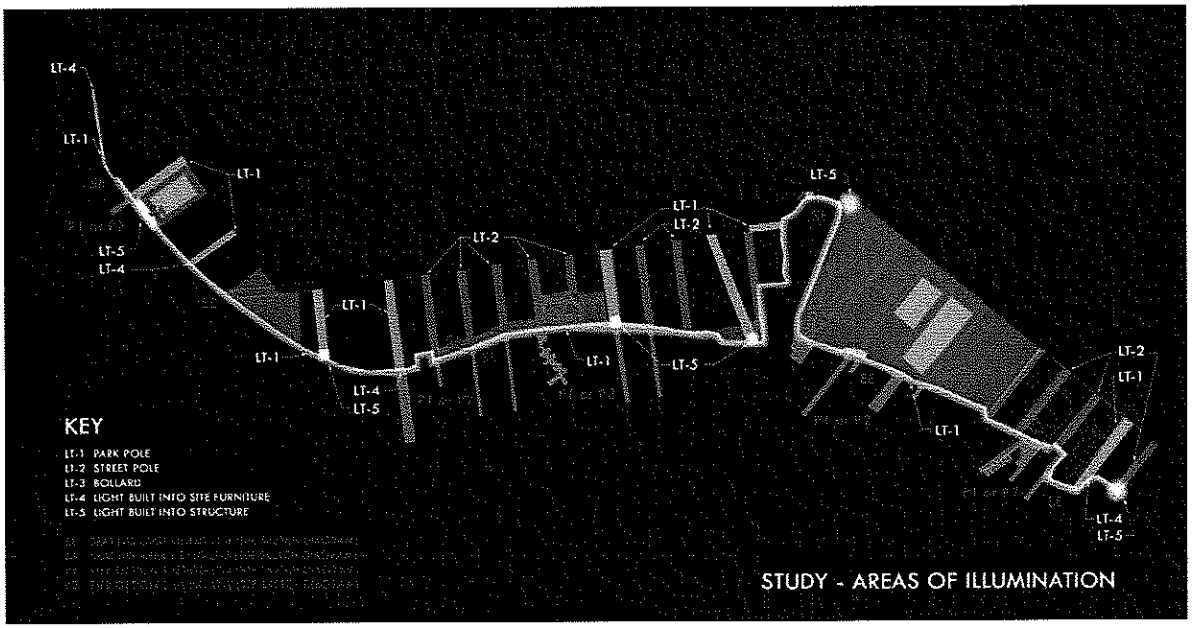


Fig. 1 Preliminary Lighting Study for Greenpoint Waterfront Masterplan

Masterplans (cont'd)

In Leni's course, "Designing Urban Nighttime Environments" (Parsons School of Design, Architecture, Interior and Lighting Design Department), students are developing new analytic methodologies and hybrid approaches to lighting and urban design for cities.

Rooted in the conviction that lighting improves and enhances the visitor experience, Light Projects' main goal for after-dark urban-park initiatives is to improve the nighttime environment by lending visual coherency through illumination.

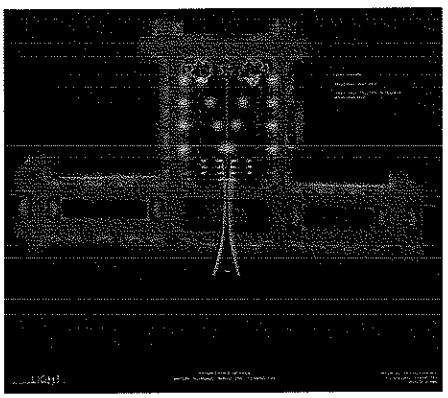


Fig. 2 St. Louis Arch Connector Park Lighting Option

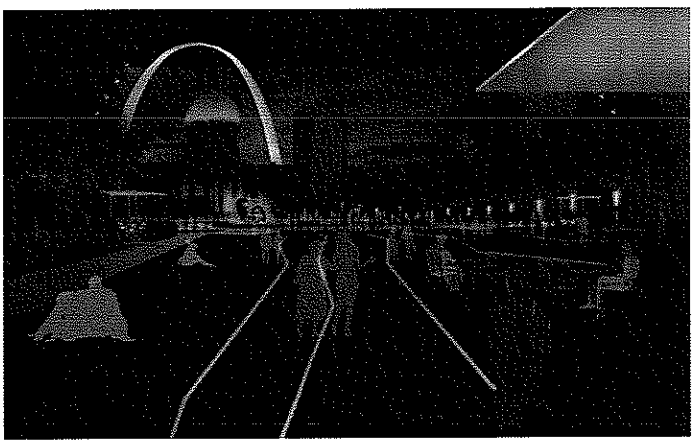
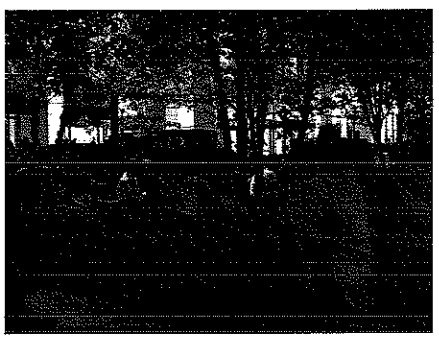


Fig. 3 St. Louis Gateway Mall Masterplan Plaza Rendering

This objective is attained through defining a hierarchy of plantings, structures, furnishings and other amenities which are established by client, landscape architect and wayfinding specialist.

As nighttime activities and flexible working hours increasingly redefine urban experience, greater emphasis is placed on the after-dark environment. Light Projects' large-scale commissions have successfully enlarged the possibilities of architectural design, our cities' parks, plazas, waterfronts and streets through transformational public palettes – exemplifying lighting as the essential element of our 24/7 world.



The Shops at Atlas Park

Queens, New York

The Shops at Atlas Park was designed and created as a town center and park in midst of an urban neighborhood. Throughout the project, owner, architects and lighting designers considered the visitor's outdoor nighttime experience as the prime motivation. The illumination for Shops at Atlas Park radiates from the central landscape to the edge. The perimeter building designs are reinforced by a glow of exterior lighting. The central fountain jets spring directly from the paved surface in a spiral form. Lighting playfully accentuates this pattern. Paths, trees and foliage are softly illuminated for an atmospheric evening experience in the park. Visitors will encounter a range of illuminated environments and effects which will serve to orient and connect them spatially to the center. A color-theme will change periodically providing freshness and change - reinforcing the sense The Shops at Atlas Park is a place of activity and variation.

Location Queens, NY

Services Lighting Design

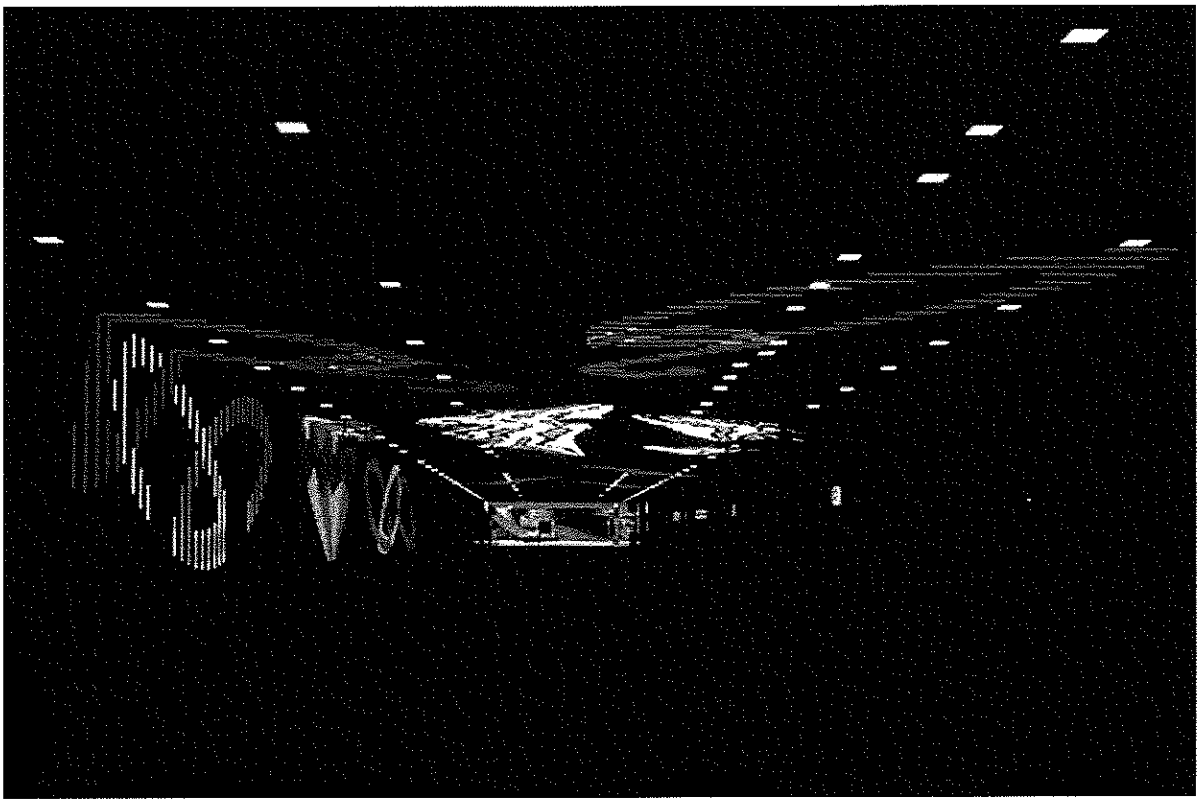
Client Atco Properties

Completion Date 2006

Cost of Project N/A

Cost of Work N/A

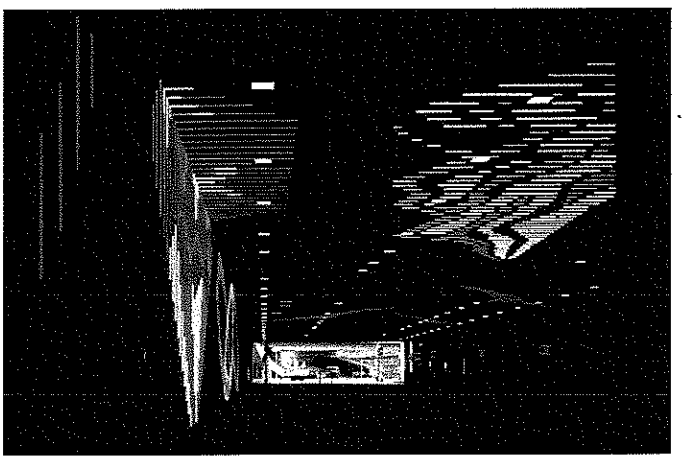
PM Mark Powers
(718) 326-3560



Rhode Island Convention Center

Providence, Rhode Island

"Designer Leni Schwendinger explores the ideas of motion, transit and light in her public art projects. (For the tunnel in Providence) Schwendinger's large, cartoon-like shimmering sculptures of exploding quarry rocks and exaggerated costume jewels cover the ceiling and one entire wall. As you walk by, the forms tell a story; taking a quick look from your car, they provide a more abstract experience, each glance conditional on that moment's weather, traffic, and perspective. *Rock-Island-Link* counters chaotic, public space by allowing for private, intimate encounters, transporting the observant commuter on an emotional as well as physical level... the daily commute is itself luminously commuted" - *Metropolis* Magazine



Location Providence, RI

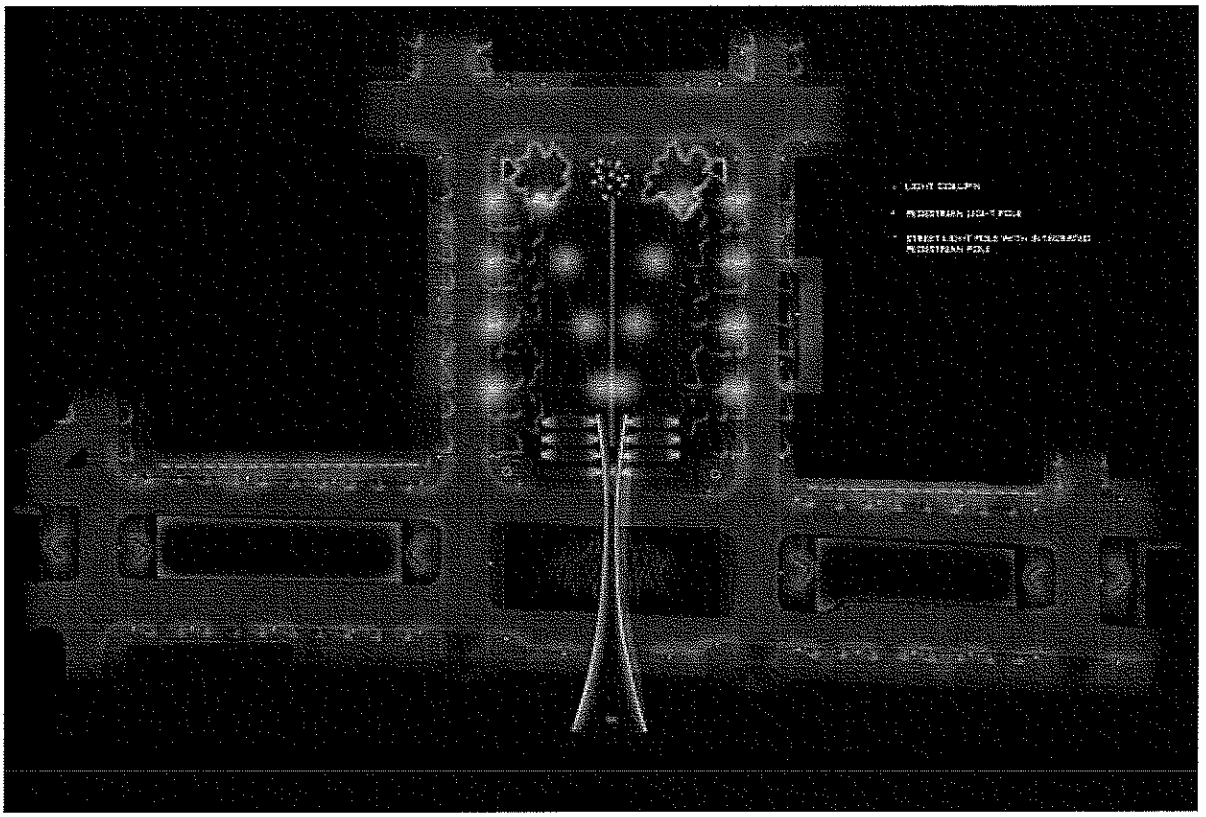
Services Art work

Client Rhode Island Convention Center, Providence, RI

Completion Date 1995

Cost of Project $150,000

Cost of Work $150,000



St. Louis Arch Grounds Connector Park

St. Louis, MO

Spanning three city blocks and linking two vibrant city attractions, the Grounds Connector is an integral but unfinished component of Eero Saarinen's St. Louis Arch. This missing link can be partially blamed for the disconnect between a stressed downtown and a popular monument that draws 4 million visitors per year.

Following an international outreach, Thomas Balsley Associates was commissioned to complete Saarinen's 20th century modernist vision with a 21st century contemporary landscape and urban design approach. Extensive historical, urban design and site specific research informed a series of conceptual design studies, each revealing dramatic new ways to introduce Arch visitors to St. Louis.

Working closely with Thomas Balsley Associates, lighting designer and artist, Leni Schwendinger has proposed safe and artful lighting strategies to unite the Arch monument and its corresponding park.

Lighting Proposals:
Sculptures of graphic media mesh line key sidewalks to create outdoor pedestrian hallways. "Cocoons" of media mesh create a destination to lunch or simply sit and rest in the shade. Translating the "cocoon" idea into vertical form, Leni Schwendinger proposes to create a light net underneath the connector bridge to light the park below.

Location St. Louis, MO
Services Lighting Design
Client Thomas Balsley Associates
Completion Date In Progress
Cost of Project

ENVIRONMENTS FULLY REALIZED
CARMAN

Downtown Development Authority Design Services

Key Personnel and Staff

Key Personnel and Staff

ENVIRONMENTS FULLY REALIZED
CARMAN

CARMAN has organized a Team of highly qualified professionals that will provide a creative approach to the design and engineering. The multi-discipline team is comprised of

- Landscape Architects
- Civil Engineers
- Electrical Engineers
- Structural Engineers
- Land Surveyors

In addition to maintaining professional licensure in the Commonwealth of Kentucky, CARMAN and HDR are pre-qualified by the Kentucky Transportation Cabinet in areas applicable to the 2nd Street Project.

The collaboration of CARMAN, HDR and Leni Schwendinger Light Projects LTD will provide the Downtown Development Commission with a Team that has a comprehensive understanding and knowledge of the project. The following are the primary tasks of each Team member:

CARMAN (John L. Carman – Principal In Charge, Kristin Booker – Project Manager)
Project Management
Management of all Design Functions
Design conceptualization of public spaces and street corridors
Graphic communications of design concepts
Scheduling of design activities
Conduct weekly Design Meetings
Participate with Preparation of Construction Documents
Facilitate Project Estimating and Budgeting
Prepare Bid Documents
Facilitate Construction Administration
Construction Observations and Inspections

HDR – (Brian Bobo – Principal In Charge, Kelly Meyer – Project Manager)
Land Surveying of Project Areas
Civil Engineering
Participate with preparation of construction Documents
Assist with estimating and Budgeting
Electrical Engineering Associated with KYDOT Permitting for signalization and lighting
Construction Observations and Inspections

Leni Schwendinger Light Projects LTD (Leni Schwendinger – Principal In Charge, Eric Chenault – Project Manager)
Conceptualizations of lighting enhancements of urban spaces
Grahpic communications of lighting concepts
Preparation of lighting budgets
Assisting with identification of specialty lighting contractors
Construction Observations of lighting installations at milestone dates

The following resumes of individuals will further apprise of the qualifications and experience of key staff members assigned to the project.

LANDSCAPE ARCHITECTURAL AND ENGINEERING STAFF
PROFILE SUMMARY

ENVIRONMENTS FULLY REALIZED
CARMAN

John L. Carman, FASLA, RLA, ASLA

University of Kentucky, 1976 BSLA
Licensure: Kentucky, West Virginia, CLARB
Started the company in 1980 and has continued to be a "hands-on" administrator and designer involved in all activities of the company. Project emphasis has been large scale comprehensive site design and development; storm water management; and community development.

Kevin L. Warner, RLA, CPSI, ASLA

University of Kentucky, 1991 BSLA
Licensure: Kentucky
Company associate serving as project manager in charge of staff coordination. Project emphasis has been recreational design and planning with increasing involvement in comprehensive commercial / industrial site design and large scale land planning.

Chris T. Howard, RLA
LEED® Accredited Professional, ASLA

University of Kentucky, 1992 BSLA
Licensure: Kentucky
Serving as project manager on land planning projects and large scale site designs. Design emphasis has been with educational site planning, design of secondary schools and college campuses.

Andrew D. Knight, RLA, ASLA

University of Tennessee, 1998 BS Landscape Design
Ohio State University, 2002 MLA
Licensure: Kentucky
Landscape Architect assisting with site design, land planning, urban planning, graphic designs and communications.

Kristin Booker, RLA, ASLA

The Ohio State University, 1994 BSLA
Licensure: Kentucky
Principal in Charge of the Louisville CARMAN office. Serving as project manager for Louisville area projects and responsibile for business development in the Metro Louisville area.

Steve Singleton, RLA, ASLA

University of Kentucky, 2001 B S Landscape Architecture
Licensure: Floridaand Kentucky
Landscape Architect supporting design and production in the Louisville office with an emphasis on recreational planning and design.

David C. Leachman, RLA, ASLA

University of Kentucky, May 2000 BSLA
Licensure: Kentucky
Landscape Architect assisting with site design, land planning, urban planning, graphic designs and communications.

Michael Parker, PE, ASLA

University of Kentucky, May 1995
BS Civil Engineering
Licensure: Kentucky and West Virginia
Civil Engineer Associate in charge of all engineering tasks associated with public and private projects including stormwater management, sanitary engineering and road/street design.

Seth Farmer, RLA, ASLA

University of Kentucky
B. S. Landscape Architecture
Licensure: Kentucky
Landscape Architect assisting with project management and cooridination of production for construction documents

John L. Carman, FASLA, RLA
resume

ENVIRONMENTS FULLY REALIZED
CARMAN

John L. Carman established the firm of CARMAN in 1980 after successful practice with companies providing service in Landscape Architecture, Engineering, and Construction Management in Lexington, Kentucky and Huntington, West Virginia. With this training to build upon, Mr. Carman has since established an award-winning firm that provides services to a wide variety of clientele. Mr. Carman prides himself in being a "hands-on" manager and is always very active in each phase of all projects.

John Carman's experience extending over a 33-year period has been with large and small-scale projects ranging from Educational Facility Planning, Community Planning and Design, Site Engineering, Athletic Facility Design, and Environmental Planning. Mr. Carman is acknowledged as being on the cutting edge with creative and technically superior site design, particularly in the areas of storm water management and supporting site improvements. Mr. Carman contributes routinely at the University of Kentucky Landscape Architecture Department as adjunct professor and guest lecturer in a variety of design, construction, and professional practice courses.

In addition to his career in private practice, Mr. Carman is very active in the professional development of Landscape Architecture. He is currently serving on the Council of Landscape Architectural Registration Boards as immediate Past President. Mr. Carman has also been instrumental in writing legislation for the practice of Landscape Architecture.

NOTABLE PROJECT EXPERIENCES

University of Louisville Oval Commons - Louisville, KY
CARMAN has prepared schematic design concepts and construction documents for the enhancements and improvements to the historic University of Louisville Oval entrance along the historic corridor of the University. The improvements will highlight the historic architectural framework of the Olmstead site and will improve the traffic circulation into and through the space.

Loch Norse & Farris Amphitheatre at Northern Kentucky University - Highland Heights, KY
Planning and design for a campus commons that features a new lake and amphtheatre. The lake is designed as a visual enhancement to the campus that has been integrated with pedestrian corridors and spaces in the central campus area. Included in the lake environment is a large plaza for university gatherings and events. The amphitheatre used for performance, outdoor classroom and student gathering, overlooks the new lake development.

City of Danville Streetscape - Danville, KY
Streetscape improvements for the award winning community in Central Kentucky that involved extensive visual enhancements, utility relocations, street widening and storm drainage improvements.

Doughboy Square and North Main Streetscape – Monticello, KY
Preparation of downtown master plan, grant preparation and design/engineering documents for the downtown historic district. The streetscape includes sidewalk enhancements, pedestrian/street lighting, plaza areas and parking improvements.

Pulaski Judicial Center – Somerset, KY
Design and engineering for downtown infill block for a new judicial center. The city block will include the new judicial center and town plaza for large community events. The plaza design includes large gathering areas, performance areas and central fountain and connectivity to adjacent city uses.

History Center and Old Governor's Mansion Block – Frankfort, KY
Preparation of designs for perimeter enhancements to the historic block in the State Capital that includes the Old Governor's Mansion and the new Kentucky History Center. The enhancements **include new side**walks, street lighting and extensive landscape improvements all in context with the culture of the historic area.
gathering areas, performance areas and central fountain and connectivity to adjacent city uses.

EDUCATION
B.S. Landscape Architecture
University of Kentucky, 1976

PROFESSIONAL REGISTRATION
Landscape Architect, states of:
Kentucky - #310, Ohio, North Carolina, West Virginia
CLARB - #797

PROFESSIONAL AFFILIATIONS
American Society of Landscape Architects
Member, Fellow

Council of Landscape Architectural Registration Boards (CLARB) -
National Board of Directors, Past President

Kentucky Landscape Architectural Registration
Board - Appointed 1989, 1994, 2006

KYDOT Paris Pike Design Review Task Force

University of Kentucky Life Time Alumnus and Fellow

'The Masters' PGA Golf Tournament Marshal -
Augusta National 1989 - Present

CONTINUING EDUCATION
Engineering Methods for Improving Watershed
Quality

Incorporating Bioengineering Techniques in
Erosion and Sediment Control

Biotechnical Erosion Control Techniques: Matching Techniques to Sites

Urban Stormwater Management

DPIC Contract Review and Revision

Urban Stormwater Management and Detention
Pond Design

Ecological Restoration

Harvard Graduate School of Design -
Golf Course Design Course

Green Roof Design Workshop

CARMAN
Landscape Architecture, Land Planning, Civil Engineering
310 Old Vine Street, Lexington, KY 40507
Ph: 859.254.9803 F: 859.255.8625
Gallery Square
639 W. Jefferson Street, Unit 102, Louisville, KY 40202
Ph: 502.742.6581
www.carmansite.com

Kristin Booker, ASLA
resume

ENVIRONMENTS FULLY REALIZED
CARMAN

In 2004, the *Louisville* Magazine named Kristin as a "Woman to Watch".

Ms. Booker, serving as Manager of the CARMAN Louisville office, provides a comprehensive understanding of Landscape Architecture and Urban Planning in both the public and private sector of the profession. Having worked both in the private and public sector and most receently with the Metro Louisville Planning and Design Department, Ms. Booker is managing the design and business development tasks for the CARMAN office in Metro Louisville and Southern Indiana areas. In her private and public sector experience Kristin has focused much attention in the urban sectors of Louisville, including neighborhoods, downtown and commercial centers.

Kristin has seven years of experience working first as staff liaison, then administrator to the Mayor's Committee on Public Art. During that time she was instrumental in implementing policies, projects and initiatives related to public art and remained a faithful proponent of public art and MCOPA.

With over 15 years of professional experience, Kristin Booker has shown design and management skills in a variety of notable projects in the Metro Louisville area.

NOTABLE PROJECT EXPERIENCES

University of Louisville Oval Commons - Louisville, KY
CARMAN has prepared schematic design concepts and construction documents for the enhancements and improvements to the historic University of Louisville Oval entrance along the historic corridor of the University. The improvements will highlight the historic architectural framework of the Olmstead site and will improve the traffic circulation into and through the space.

East Main/Market Street Streetscape - Louisville, KY
Created the streetscape design for approximately 16 city blocks of streetscape in the vicinity of Louisville Slugger Field and the Gallery District. This award winning project is being phased-in over time as the area continues to develop.

Jefferson Market - Louisville, KY
Infill redevelopment for a 2 square block area in the East Market Gallery District. Strategic and land planning for the urban redevelopment area that will also be the site for the Public Market Place. Plans include street modifications to E. Market Street to incorporate a new median in the spirit of the historic Oldmstead Kenton Place median.

Main Street/Arena District Streetscape – Louisville, KY
Preparation of designs for streetscape enhancements to the six block corridor of Main Street in the area of the new arena. Enhancements include complete sidewalk renovations, lighting and developing a sculptural quality to the 6 block corridor.

St. Peter the Apostle – Lexington, KY
Redevelopment of a 5 acre site in southwest Louisville for the consolidation of 4 Catholic Church parishes. CARMAN provided comprehensive site planning, design and engineering.

Liberty Green, Louisville, KY
This Hope VI development totals six city blocks of mixed home ownership and rental units for various income levels. Particular attention was paid to the architecture and it compatibility to its surrounding neighborhood with its traditional architecture. While with Metro Louisville Government, oversaw site construction coordination for infrastructure-related aspects of the 400 million dollar project, including utility coordination, sidewalks, landscaping and park development.

EDUCATION

B.S. Landscape Architecture
Ohio State University, 1994

PROFESSIONAL REGISTRATION

Landscape Architect, State of Kentucky

PROFESSIONAL AFFILIATIONS

American Society of Landscape Architects
Chairman of the Professional Practice Institute

American Sculpture Center, Member

CONTINUING EDUCATION

Sculpture in Public
Seattle, WA

Green Roof Conference

EPA Sustainable Redevelopment Conference

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Ph: 502.742.6581
www.carmansite.com

Andrew D. Knight, RLA
resume

ENVIRONMENTS FULLY REALIZED
CARMAN

Andrew Knight joined CARMAN in June 2004. Prior experience includes two years with a globally recognized design firm in Columbus, Ohio where he focused on campus planning, urban design, health care, and science & research. Over the course of those two years, Mr. Knight worked on a variety of projects across the United States as well as China, Korea, and Russia.

Since joining CARMAN, Mr. Knight has assisted with site design, land planning, urban planning, graphic designs, and communications. Andy has become a team leader for design and creativity on both large and small scale projects. His primary participation in the framework of creativity on projects provide a sense of uniqueness on projects that demand both a holistic approach for a creative environment and the need for unique singularity with design detailing. Andy demonstrates these talents on a variety of projects and these ideas are communicated with a various means of imaging techniques.

NOTABLE PROJECT EXPERIENCE

University of Louisville Oval Commons - Louisville, KY
CARMAN has prepared schematic design concepts and construction documents for the enhancements and improvements to the historic University of Louisville Oval entrance along the historic corridor of the University. The improvements will highlight the historic architectural framework of the Olmstead site and will improve the traffic circulation into and through the space.

Jefferson Market - Louisville, KY
Infill redevelopment for a 2 square block area in the East Market Gallery District. Strategic and land planning for the urban redevelopment area that will also be the site for the Public Market Place. Plans include street modifications to E. Market Street to incorporate a new median in the spirit of the historic Oldmstead Kenton Place median.

City of Salyersville Utility Relocation & Streetscape Feasibility Study – Salyersville, KY
A Feasibility Study was prepared for an approximately three-block area of downtown Salyersville. The emphasis of this study was to assess the impact, both physical and economic, for the relocation of overhead utility lines associated with streetscape improvements. The objective was to create improved "curb appeal" for the town setting, while enhancing service opportunities for electric, telephone, and telecable to individual customers. Responsibilities included meetings with public.

Doughboy Square and North Main Streetscape – Monticello, KY
Preparation of downtown master plan, grant preparation and design/engineering documents for the downtown historic district. The streetscape includes sidewalk enhancements, pedestrian/street lighting, plaza areas and parking improvements.

Pulaski Judicial Center – Somerset, KY
Design and engineering for downtown infill block for a new judicial center. The city block will include the new judicial center and town plaza for large community events. The plaza design includes large gathering areas, performance areas and central fountain and connectivity to adjacent city uses.

Main Street/Arena District Streetscape – Louisville, KY
Preparation of designs for streetscape enhancements to the six block corridor of Main Street in the area of the new arena. Enhancements include complete sidewalk renovations, lighting and developing a sculptural quality to the 6 block corridor.

EDUCATION
Masters in Landscape Architecture
The Ohio State University, 2002

B.S. Landscape Design
University of Tennessee, 1998

Adjunct Professor - Design Studio
The Ohio State University

Adjunct Professor - Urban Design Studio
University of Kentucky

PROFESSIONAL REGISTRATION
Landscape Architect, state of:
Kentucky - #721

CONTINUING EDUCATION
Restoring Native Ecosystems, 2007

AWARDS
American Society of Landscape Architects (ASLA)
Honor Award for Studies is Landscape Architecture - 2002

Sigma Lamda National Honor Society - 2001

CARMAN
Landscape Architecture, Land Planning, Civil Engineering
310 Old Vine Street, Lexington, KY 40507
Ph: 859.254.9803 F: 859.255.8625
Gallery Square
639 W. Jefferson Street, Louisville, KY 40202
Ph: 502.472.6671
www.carmansite.com

Michael J. Parker, PE

resume

ENVIRONMENTS FULLY REALIZED
CARMAN

EXPERIENCE

Mr. Parker is involved in all phases of the company operations. His responsibilities range from civil engineering, construction administration, land development, utilities, sanitary sewer, water, industrial engineering and management.

With over sixteen years of experience, Mr. Parker has worked in the Civil Engineering industry with a variety of experience including stormwater design, sanitary sewer, water distribution, retention basin, mining and roadway design He has also completed stormwater and utility designs for commercial, mining and institutional developments and right of way improvements for community development projects.

NOTABLE PROJECT EXPERIENCE

St. Peter the Apostle – Lexington, KY
Redevelopment of a 5 acre site in southwest Louisville for the consolidation of 4 Catholic Church parishes. CARMAN provided comprehensive site planning, design and engineering.

University of Louisville Oval Commons - Louisville, KY
CARMAN has prepared schematic design concepts and construction documents for the enhancements and improvements to the historic University of Louisville Oval entrance along the historic corridor of the University. The improvements will highlight the historic architectural framework of the Olmstead site and will improve the traffic circulation into and through the space.

Morehead State University NASA - Morehead KY
Site work includes extensive grading and drainage due to the steep slopes typical of the campus, rerouting of the public street system, pedestrian connections, public plaza space and stormwater detention.

University of Louisville Oval Commons - Louisville, KY
CARMAN has prepared schematic design concepts and construction documents for the enhancements and improvements to the historic University of Louisville Oval entrance along the historic corridor of the University. The improvements will highlight the historic architectural framework of the Olmstead site and will improve the traffic circulation into and through the space.

City of Mt. Vernon Streetscape- Mt. Vernon, Ky.
CARMAN was selected to provide design and engineering for right of way improvements for all urban and rural sections of Mt. Vernon. The improvements consist of pedestrian facilities, drainage improvements and ADA accesibility improvements.The project also includes site improvements around significant buildings in Mt. Vernon inlcuding the City Hall.

Doughboy Square and North Main Streetscape – Monticello, KY
Preparation of downtown master plan, grant preparation and design/engineering documents for the downtown historic district. The streetscape includes sidewalk enhancements, pedestrian/ street lighting, plaza areas and parking improvements.

Pulaski Judicial Center – Somerset, KY
Design and engineering for downtown infill block for a new judicial center. The city block will include the new judicial center and town plaza for large community events. The plaza design includes large gathering areas, performance areas and central fountain and connectivity to adjacent city uses.

EDUCATION

B.S. Civil Engineering
University of Kentucky, 1993

PROFESSIONAL REGISTRATION

Kentucky - #22,888

PROFESSIONAL AFFILIATIONS

Kentucky Society of Professional Engineers

National Society of Professional Engineers

CONTINUING EDUCATION

HEC Floodplain Management Modeling Workshop - Haested Methods

PSMJ Project Managment Workshop

United States EPA, Kentucky Environmental Protection Cabinet Environmental Regulations Workshop

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Ph: 502.472.6671
www.carmansite.com

Brian J. Bobo, P.E.
Project Manager

Position
Marketing Manager/
Project Manager

Business Address
401 W. Main Street
Suite 500
Louisville, KY 40202

Education
Georgia Institute of Technology
B.S., Civil Engineering
1977

Experience
Professional Engineer
Kentucky

Background

Mr. Bobo had over 22 years experience in Louisville Metro government prior to his retirement and employment at HDR. During that time, he was both City Engineer and Assistant Director of Public Works, responsible for capital construction and operational aspects of the Department. Since joining HDR, Mr. Bobo has concentrated his activities on municipal clients and private development activities. He also provides QA/QC reviews for a wide variety of projects. The following are descriptions of projects on which Mr. Bobo performed the above duties.

Project Experience

- Seneca Park Bike Loop East and West – Jefferson County, Kentucky - Mr. Bobo served as Project Manager for the planning and design of improvements to provide bicycle and pedestrian facilities near Seneca and Cherokee Park. West improvements included the design of the reconstruction of the intersection of Lexington Road and Grinstead Drive. Design goals were to improve utilization of the intersection by bicyclist and pedestrians through the reconfiguration of geometrics and installation of bike lanes and new pedestrian facilities. East improvements included completion of a Seneca Loop with marked bike lanes on Cannons and Dutchmans Lane and an off-road, multi-use lane on Taylorsville Road.

- Seneca Park Bike Lanes – Jefferson County, Kentucky – Mr. Bobo served as Project Manager for the development of construction plans for intersection improvements and restriping plans to develop bike lanes in Seneca Park. Louisville Metro had developed concept plans for improvements in Seneca Park to address conflicts between vehicles, bicyclists, and pedestrians. Geometric changes at four intersections were developed to improve approach angle, pavement width and sight distance. A typical section was developed for use through the Park to accommodate marking for bike lanes. Construction assistance was also provided during the contractor's layout activities.

- Louisville Metro Sidewalk Program – Jefferson County, Kentucky - Mr. Bobo has served as Project Manager for work under Louisville Metro's annual contract for Small Engineering Projects. Work has primarily been neighborhood sidewalk projects, and he has strived to provide good quality, but minimal designs that keep fees low, but offer sufficient plans to meet the needs of the project.

Kelly R. Meyer, P.E., P.L.S.
Vice President

Position
Project Manager

Business Address
401 W. Main Street
Suite 500
Louisville, KY 40202

Education
University of Kentucky
B.S., Civil Engineering
1983

Experience
Professional Engineer
Kentucky
Indiana
Ohio

Professional Surveyor
Kentucky

Background
Mr. Meyer currently serves as the Transportation Group leader in the Louisville office. During his career he has been fortunate to obtain a unique combination of design and construction experience, which has proven to be extremely beneficial in his current role. For the last 15 years he has worked in the design area for HDR. Prior to that, he was an assistant resident engineer for the KYTC with construction administration responsibilities. Based on his day to day involvement, he has a complete understanding of design procedures, the requirements for plan development, and the environmental and public involvement areas. The following are descriptions of projects on which Mr. Meyer performed the above responsibilities.

Project Experience
- Cooper Chapel Road Section I – Jefferson County, Kentucky – Mr. Meyer is Project Manager for this 2-mile widening to a 3-lane section between Smyrna and Preston Highway. Design included all Phase I and II services and public participation. Current design includes a roundabout and bike lanes that were added late in the design process to address Metro's new bicycle policy. Sidewalks are also proposed throughout.

- Seneca Park Bike Loop West – Jefferson County, Kentucky - Mr. Meyer served as Project Engineer and oversaw the staff design of the reconstruction of the intersection of Lexington Road and Grinstead Drive. Design goals were to improve utilization of the intersection by bicyclist and pedestrians through the reconfiguration of geometrics and installation of bike lanes and new pedestrian facilities.

- KYTC - Outer Loop Intersections – Jefferson County, Kentucky – Mr. Meyer is Project Manager for this 1-mile intersection redesign in southern Jefferson County. Services included Phase I and II design for this area that is plagued by excessive delays during peak hours resulting from inadequate lane power and the operational issues of 2 signalized intersections located less than 800' apart. Services also include CORSIM modeling and extensive public involvement/participation.

- KYTC - Mt. Washington Road – Jefferson County, Kentucky - Mr. Meyer served as Project Manager for this 3-lane widening design of a residential arterial in southern Jefferson County. Design services evaluation of both an urban and rural section with various alignments. Approved Phase I section is an urban, curb and gutter with bike lanes and sidewalks throughout.

Thomas M. Franz, L.A.
Landscape Architect

Position
Landscape Architect
Project Manager

Business Address
401 W. Main Street
Suite 500
Louisville, KY 40202

Education
Purdue University
B.S., Landscape Architecture
1983

Experience
Professional Landscape Architect
Kentucky

Professional Affiliations
American Society of Landscape Architects

Background
Mr. Franz has extensive experience in the development of both public and private landscape architecture projects. His experience includes public improvements, streetscape design, recreational and parks facilities, landscape design, and subdivision and site development. The following are descriptions of projects on which Mr. Franz performed the above duties.

Project Experience
- East Main and Market Street Improvements – Jefferson County, Kentucky – Mr. Franz served as Project Manager for streetscape improvement along the Main and Market Street corridors. Improvements included new curb bump outs, concrete sidewalks with paver accents, street lights and the associated drainage modifications. Improvement were generated to facilitate and enhance adjacent private development initiatives.

- Broadway Sidewalks – Jefferson County, Kentucky - Mr. Franz served as Project Manager for streetscape improvements along portions of two blocks on West Broadway to complement adjacent private development. Improvements included new street trees, street lighting, street furniture, and structural slab replacement.

- West Main Street Improvements - Jefferson County, Kentucky – Mr. Franz served as Project Manager for the 200-500 block improvements completed in early 2001. Design elements from the early 600-900 block project were incorporated into the design, but not duplicated due to the differing architectural elements abutting the right-of-way. Brick bands around concrete walks, street furniture, and new and expanded planters for street trees were installed along with new trees.

- University of Louisville Belknap Improvements – Jefferson County, Kentucky - Mr. Franz served as Project Manager and lead designer for the construction documents for improvements to the campus along 4th Street and Cardinal Boulevard. Design included a new campus entry sign at the Oval, new sidewalks and curbs, street median plantings and irrigation.

- Ten Pin Lane Improvements – Jefferson County, Kentucky - Mr. Franz served as Project Manager for the development of a new entry into this community park off Shelbyville Road. Improvements included a new entry sign and median treatment with pavers and plantings.

Derek R. Guthrie, P.E.
Vice President & Regional Wet Weather/CSO Lead

Position
Project Engineer
MSD/COE Coordination

Business Address
401 W. Main Street
Suite 500
Louisville, KY 40202

Education
University of Kentucky
B.S., Civil Engineering
1978

Experience
Professional Engineer
Kentucky

Professional Affiliations
American Society of Civil Engineers
National Society of Professional Engineers
Water Environment Federation

Background

Mr. Guthrie has over 31 years experience including 22 years at the Louisville and Jefferson County Metropolitan Sewer District where he was Chief Engineer and Director of Engineering/Operations for 10 years. While at MSD he was involved with the Combined Sewer Overflow and Sanitary Sewer Overflow projects, in addition to the other projects that comprised the Capital Improvement Program.

Mr. Guthrie has extensive experience with state and federal regulations associated with the Clean Water Act. With MSD, he was also involved in the development of Sewer Overflow Response Plans, Interim Long Term Control Plan, the Interim Sanitary Sewer Discharge Plan, the Nine Minimum Controls,and the Capacity, Management, Operations and Maintenance program.

In his role as President of the National Association of Flood and Stormwater Management Agencies during 2007 and 2008, he dealt with Clean Water Act issues associated with stormwater management and the Municipal Separate Storm Sewer System permitting program.

Relevant project involvement at Louisville MSD includes:

- Wheeler Avenue Storage Basin for CSO storage
- Sneads Branch Interceptor Inflatable Dam Project
- Continuous Deflection Screen Unit for CSO 50
- CDS Unit for screening from CSO 108
- Upper Dry Run Trunk Basins for CSO storage
- Real Time Control Project to integrate rainfall prediction and monitoring, collection performance monitoring and SCADA systems to maximize storage and performance in the combined sewer system
- Hydraulic modeling of the combined and separate sewer system
- Sewer System Evaluation Surveys of collection systems
- Manhole and sewer system rehabilitation programs in the City of Jeffersontown, the Hikes Point area and the Woodland Hills neighborhood

Norman J. Barker, P.E., P.L.S.
Vice President

Position
Vice-President/
Principal-In-Charge

Business Address
401 W. Main Street
Suite 500
Louisville, KY 40202

Education
University of Louisville
B.S., Civil Engineering
1972

Experience
Professional Engineer
Kentucky

Professional Surveyor
Kentucky

36 Years Experience in
Transportation

Technical Training
KYTC: Urban Drainage Design, Context Sensitive Design, Environmental Leadership Workshop, Bicycle Planning and Facilities Workshop

Georgia Tech Stormwater Management for Engineers and Planners, Various Surveying Seminars

Background
Mr. Barker has extensive experience in the design of roadway/highway projects having served as Project Engineer, Project Manager, and Principal-in-Charge on many projects during his career. Mr. Barker's responsibilities have included the design and preparation of plans, supervision of others in specialized phases of the work, coordination and oversight of subconsultant's representatives and representatives of the contracting agencies. More recently, he has provided QA/QC reviews for plans and been responsible for ensuring resources are available to meet project deadlines. The following are descriptions of projects on which Mr. Barker performed the above duties.

Project Experience
- Cooper Chapel Road Section I – Jefferson County, Kentucky – Mr. Barker served as Principal-in-Charge for this 3-lane widening between Smyrna and Preston Highway. Services included Phase I and II design and public involvement. Unique design elements added following completion of Phase II plans were a roundabout and bike lanes. Sidewalks are also proposed throughout.

- KYTC - Mt. Washington Road – Jefferson County, Kentucky - Mr. Barker served as Principal-in-Charge for this 3-lane widening design of a residential arterial in southern Jefferson County. Design services evaluation of both an urban and rural section with various alignments. Disturbed limits were also developed for a base widening and overlay versus a total tear out and lowering of grade. The approved typical section provides for bike lanes and sidewalks throughout.

- KYTC - Outer Loop Intersections – Jefferson County, Kentucky – Mr. Barker is serving as Principal-in-Charge and providing QA/QC for this Phase I and II design. This project is providing a redesign of the intersections along Outer Loop between Fegenbush Lane and Beulah Church Road. Services have included alternatives analysis and public involvement/participation.

- Browns Lane Widening – Jefferson County, Kentucky - Mr. Barker served as Project Manager for this 3-lane widening between I-264 and Lowe Road. This section centered the old roadway, had a new storm sewer system designed on both sides, and was slightly depressed in grade to accommodate adjacent drainage.

LENI SCHWENDINGER

Principal Designer

Leni Schwendinger is a recognized authority on the many issues and applications of public lighting, art and community outreach, with more than15 years of experience creating lighting environments for architectural and public spaces all over the world. In addition to creating illuminated environments Leni Schwendinger Light Projects designs lighting products and programs for public spaces. This work is shared through Leni's public speaking engagements and advisory services. Light Projects studio has enjoyed extensive press and media coverage. Leni Schwendinger has lectured and taught widely throughout the United States, Europe and Japan, and is currently on the faculty of Parsons School of Design; Architecture, Interior Design and Lighting Department, New York City.

SELECTED PROJECTS

Centre City Development Corporation
North Embarcadero Visionary Plan
PM: Civitas
Site: Waterfront lighting design and custom street Pole
San Diego, CA

City of Dallas
Dallas Trinity Lakes
Site: Illumination concepts for a mutli-use park
Dallas, TX
PM: WRT

The New York Botanical Garden Conservatory
Site: Illumination of eleven Victorian glass houses and their living collections
Bronx, New York

Danforth Foundation
St. Louis Arch Connector Park
Site: Illumination concepts for a park to cover a highway, connecting the Saarinen/Kiley Arch grounds to the city
St. Louis, MO

Shanghai Jiading New City Development Co.
Jiading New City Park
PM: Sasaki
Site: Lighting concepts for 77 acre urban park
Shanghai, China

NYC Economic Development Corp
Flatbush Avenue
Site: Streetscape design and guidelines
Brooklyn, New York

New Jersey State Council on the Arts /Liberty Science Center
The Great Hall; a Spatial Portrait
Jersey City, NJ USA

NYC Economic Development Corporation
Coney Island Parachute Jump Illumination
Brooklyn, New York USA

Glasgow City Council
Chroma Streams; Tide and Traffic
Site: Kingston Bridge
Glasgow, Scotland UK

NYC Port Authority
Triple Bridge Gateway
Site: Bus Terminal
Manhattan, New York City, NY USA

Department of Design and Construction
Pedestrian Bridges
Site: Reconstruction of six bridges NYC Boroughs
New York, NY

NYC Economic Development Corp
New Stapleton Waterfront Development
Site: 30+ acres of waterfront development.
Staten Island, NY

New Jersey Transit
Hoboken Ferry Terminal
Site: Lighting design for exterior and interior of historic ferry station
Hoboken, NJ

City of Toronto
HtO Park
Site: Lighting design areas and concepts feature grassy dunes with dramatic color, pathways and waters' edge.
Toronto, Canada

NYC Economic Development Corp
St George Station, Ferry and Inter-modal Transportation Center.
Site: Lighting consultation for ferry slips, waiting room, bus and train stop areas, retail concourses and waterway plaza.
Staten Island, NY

Seattle Center
Dreaming in Color, a Dimensional Color Field
Site: Marion O McCaw Hall, Kreilsheimer Promenade
Seattle, WA, USA

City of Unna
Glowing Waterway
Site: Wasserstrasse streetscape installation
Unna, Germany
City of Alingsås/European Lighting Design Association

Light in Alingsås /*Light on Wheels*
Site: Parking lot; workshop and installation
Alingsås, Sweden

Cleveland Public Art
Site: **Mayfield Underpasses** (concept)
University Circle, Cleveland, OH USA

Children's Museum of Manhattan
Site: Exhibition; Suspended membrane sculpture
Manhattan, New York City, NY USA

Windows on the World
Lobby entry project (concept)
Manhattan, New York City, NY USA

General Services Administration
Labor's Alchemy (concept)
Site: Pedestrian Bridge
New Carrollton, Virginia, USA

Rhode Island Convention Center
Rock-Island-Link
Site: Underpass
Providence, RI USA

Denver International Airport:
Deep Time/Deep Space, a Subterranean Journey
Site: Automated shuttle tunnel
Denver, CO USA

Emilio Ambasz/SICPA S.A.
Sculptural Light Installation
Trade show booth environment
Dusseldorf, Germany
Polaroid Collection, Boston, MA USA
Photographs (Japan)

Weisman Art Museum; Minneapolis, MN USA
"International Library"
Arm-in-Arm: illuminated sculpture

EXHIBITIONS and PERFORMANCES

National Design Triennial: Design Life Now, 2007
Cooper-Hewitt National Design Museum
Documentation of projects
New York City, NY USA

Fashion in Colors, 2006
Cooper-Hewitt National Design Museum
Design concepts and illumination of exhibition
New York City, NY USA

Syracuse University, 2005
Building installation for groundbreaking event
Syracuse, NY USA
Vanishing Garden, 2000
Anchorage Museum of History and Art
Dynamic projection into a snowy courtyard
Anchorage, AK USA

Water Above Water, a Sublime Floating Landscape, 1999
Independent Public Art, Glasgow Department of Planning, *Glasgow 1999, Year of Architecture and Design*
Canal & aqueduct projection and community participation installation
Glasgow, Scotland UK

Off the Wall, 1995
651 Majestic Theatre
Exterior animated graphic projections
Brooklyn, NY USA

Not Dreaming in Public, 1995
Whitney Museum Of American Art at Philip Morris, Hand painted projection and sound installation; collaboration with Ben Rubin
New York City, NY USA

Earth Paper Exhibition, Axis Gallery, 1995
Screen printed hand-made paper luminaria
Tokyo, Japan

Eyes on Public Art-Visions of Seattle, 1994
Center, Center Gallery
Proposal model exhibited
Seattle, WA USA

Public Dramas/Passionate Correspondents, 1993
Brooklyn Academy of Music Gala
Hand painted and graphic projections onto New York City's main, landmark post office
New York City, NY USA

Public Art for the 21st Century, 1993
Metrostate College of Denver Gallery
Exhibition of project documentation
Denver, CO USA

The Urban Heart, A Homebody? 1993
Open House Festival
Animated painted-projection installation; collaboration with architects Ushida/Findlay
Tokyo, Japan

Interactive Topos, a Sculptural Reading of Shadows and Reflections, 1991
Bumbershoot Arts Festival,
Participatory performance/installation
Seattle, WA USA

Ephemeral Building–Building Art, 1990
Institute of Contemporary Art
Dynamic sculptural installation of light and shadow
Philadelphia, PA USA

Frozen Shadows,an Ice & Light Installation, 1990
First Night Festival Boston Commons
Dynamic sculptural installation of light and shadow; collaboration with George Greenamyer
Boston, MA USA

Autumn/New England, 1989
CHRISTIE'S, for MacDowell Artist Colony Gala
Hand painted projections onto coved ceiling
New York City, NY USA

Light Site-ings, Holland Tunnel Drive-in Billboard, 1989
Exterior, hand-painted animated projections
Creative Time, New York City, NY USA

ENVIRONMENTS FOR THEATRE and EVENTS (SELECTED)

Publicolor Gala, annual since 2000
New York City, NY, USA

Rare Times Altogether, 1994
Premiere – an original play about James Joyce
New York City, NY, USA
Urban Bush Women, 1992
International Tour

Oscar de la Renta, 1992
The Alhambra
Metropolitan Museum of Art
New York City , NY, USA

Olympia Dukakis, ***Voices of Earth***, 1990
New England Tour

Sandra Bernhard, ***Without You I'm Nothing***, 1988
New York City, NY, USA

Laurie Anderson, ***Mr. Heartbreak***, 1984
International Tour

Bayreuth Opera Festival, 1980
Bayreuth, Germany

PUBLIC ART, DESIGN & CREATIVE TEAMS

- City.People.Light, Philips Design, Philadelphia PA, series of international workshops with presentation in Rotterdam
- Vision the Neighborhood; Harlem (New York City) Aaron Davis Hall Performing Arts District
- Hell's Kitchen Neighborhood Association, New York City; Co-director of Urban Design Conference/Workshop
- Port Authority Bus Terminal Triple Bridge Gateway, New York City
  Community design coordination
- Caltrans/California Arts Council, Los Angeles
  Art plan for express bus stops
- Los Angeles County Transit Commission; Art planning for Green Line
- Metropolitan Transit Authority
  New York City
  Charrette for new subway cars
- Children's Television Workshop, New York City
  Visual concepts for "Ghostwriter"

PUBLIC ART PROPOSAL FINALIST (SELECTED TYPES)

- Landmark Wales, 2007
  Wales
- Brookfield Properties Corporation, 2006
  Toronto, CA Bay Adelaide Centre, commercial building and plaza
- Friends of Wilmington Parks, 2006
  Brandywine Park, Delaware
  "Public Art and Landscape Design Opportunity"
- University of Arizona – Sixth Street Parking Garage & Office Building, 2003
- Corpus Christi Convention Center, 2002
- MTA – Metro North; City of Yonkers train trestle, 2001
- New England Aquarium Imax Façade, 2000
- Atlanta Airport Moving Walkways, 1999
- University of Northern Iowa Performing Arts Center – Lobby, 1999
- Rafael Vinoly Architects (Samsung Megaport, Seoul) – Building Façade, 1997
- Cleveland RTA, Transit Station, 1995
- Alliance for Downtown New York: ***Escape to 10 House***, 1995
- Tokyo Municipal Museum of Photography – Building Façade, 1994

- Public Art Commission Agency
  Wolverhampton, England – Light Playground, 1994

AWARDS, GRANTS, RESIDENCIES

Lumen 2007

IIDA, Award of Merit 2007

New York Construction's Outstanding Building Projects of 2006

American Institute of Architects, 2006
Honor Award for Interior Architecture

American Society of Landscape Architects, 2005
General Design Award of Excellence

New York Foundation on the Arts, 2001
Artist Fellowship

Illuminating Engineers Society, 2000
"Lumen" Award cited for Civic Service and Education, International Illumination Design Award

Society for Environmental Graphic Design, 1997
Honor Award

International Association of Lighting Designers, 1996 -- Citation for Excellence

Japan-U.S. Friendship Commission, 1993
Project Support

Fund for U.S. Artists at International Exhibitions, 1993

National Endowment for the Arts/Japan-U.S. Friendship Commission, 1991
Japan Residency
California Art in Public Buildings Award, 1991
Express Bus Art Plan

Andy Warhol Foundation, 1990
Grant: Visual Art/Theatre Collaboration

California Art in Public Buildings Award, 1990
Light Rail Art Plan Team

Art Matters, 1989
Project Grant

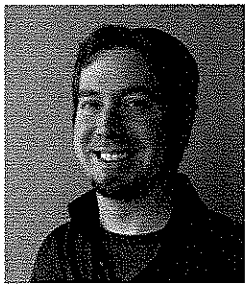
Creative Time, Inc., 1989
Project Grant
National Endowment for the Arts, 1988
Art in Public Places Grant

New York State Council on the Arts, 1988
Visual Arts/Dance Collaboration

McDowell Artist Residency, 1986

SELECTED REVIEWS AND FEATURES

Engineering News Record, 2006
Time Out New York, 2006
Architectural Lighting 1985- 2007
Syracuse Magazine, 2005, 2006
New York Post, 2005
Sculpture Magazine, 2004, 2006
ID Magazine, 2004
The Sunday Herald, 2001
Licht & Architekur (Lighting journal, Germany) 1997, 2000
Architectural Review (Architectural journal, Great Britain) 1999
How Design Magazine 1997
Lighting Dimensions 1990-1995
Metropolis 1990, 1993, 1995, 1996, 2000
Public Art Review 1994, 1995, 1996
Kenchiku Bunka (Architectural journal, Japan) 1993
New York Times 1993
Lighting Design & Application 1989
ArtNews 1989
The New Yorker 1989



ERIC CHENAULT, LC, LEED AP

Senior Designer/Project Manager

As Senior Designer, Mr. Chenault ensures every Light Projects' client and job receives the highest standards of design quality and project management – from concept to implementation. Eric has contributed his lighting expertise to international and domestic projects for over a decade. His comprehensive background in all phases of production and administration includes client, designer and contractor relations and team leadership has been honed in the widest range of jobs – including architecture, stage and entertainment. He integrates creative concepts and their technical solutions and provides articulate communication of ideas in verbal and illustrative form. On the business side, he partners with the Principal on proposals and contracts. On the design side, once the Principal establishes creative direction, Eric follows through design and project management tasks with the Light Projects' staff.

Relevant project experience

Rutgers University
College Avenue Plaza
New Brunswick, NJ
Wallace Roberts & Todd and TEN Arquitectos

Centre City Development North Embarcadero Visionary Plan
Waterfront Masterplan
San Diego, CA *Civitas*

Broadway Pier Cruise Ship Terminal
Port of San Diego
Public Artwork
San Diego, CA

Two America Plaza
San Diego, CA *Civitas and Snøhetta*

The New York Botanical Garden
Parking Garage and Conservatory
New York, NY *Polshek Partnership, JHPA*

Dallas Main Street Garden Park
Dallas, TX *Thomas Balsley & Associates*

Queens Plaza JFK Park
Pedestrian and Bike Improvement Project
New York, NY *WRT Design*

Anita Jorgensen Lighting, 2002 – 2007
Associate Designer & Project Manager

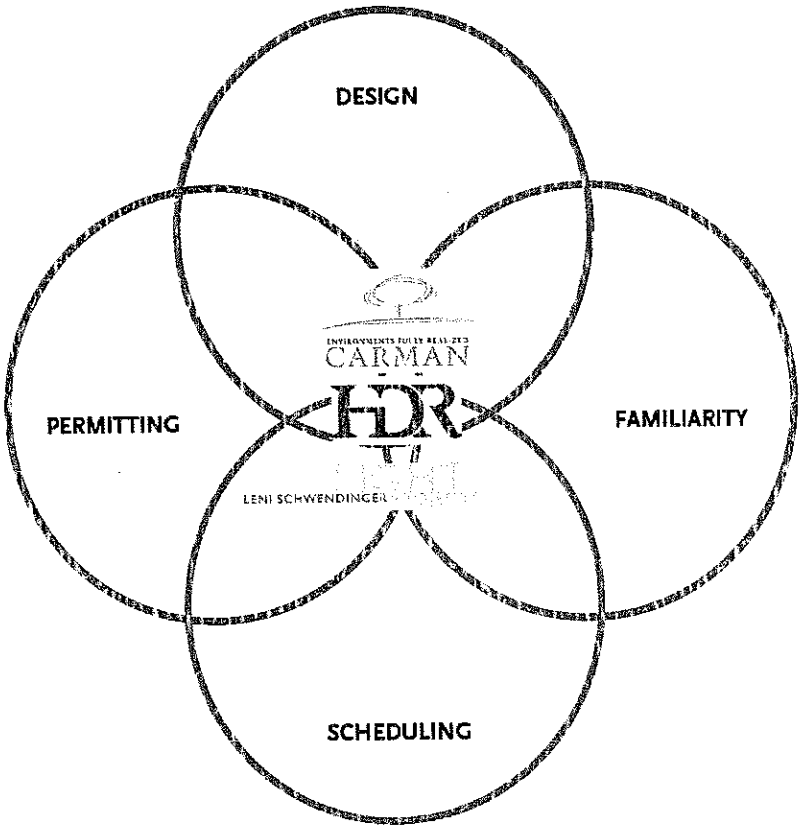
Mather Jorgensen Lighting, 2000 – 2002
Associate Designer & Project Manager

International Spy Museum
Themed Museum
Washington, D.C. *Gallagher Associates Exhibits*

Basketball Hall of Fame
Riverfront Redevelopment & Museum
Springfield, MA *Gwathmey Siegel Architects*

Science City at Union Station
Train Station Renovation & Science Museum
Kansas City, MO *Douglas/Gallagher Exhibits*

Eric Chenault Lighting, 1988 – 2000 Owner and Principal provided full production design services for corporate events, theatre and performing arts.



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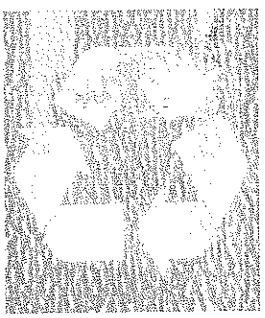
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