

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION

For Inclusion on Board Agenda

 X Resolution or Ordinance (Blue) _____ Waiver of First Requested

Recommendations of Boards, Commissions & Committees (Green)
Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: William T. Lichter, Village Manager

DATE: March 28, 2006 (COW) (B of T) **Date:** April 6, 2006

TITLE: Great Western Trail Pedestrian Bridges
Design Engineering

SUBMITTED BY: David A. Dratnol, P.E., Village Engineer *David*

BACKGROUND/POLICY IMPLICATIONS:
See Memo

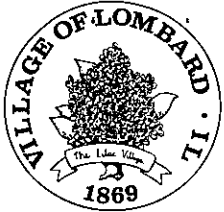
FISCAL IMPACT/FUNDING SOURCE:

Total Contract Amount: \$ 322,099.68
Funding: \$ 222,099.68 – CapProjFd
\$ 50,000 – DuPage County Ph. 1
\$ 50,000 – DuPage County Ph. 2
HTE Project Number: 0603
PW Project Number: M-06-03

Review (as necessary):

Village Attorney X _____ Date _____
Finance Director X _____ Date _____
retory Village Manager X *Donald Flood* _____ Date *3/28/06*

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.



InterOffice Memo

To: William T. Lichter – Village Manager
Through: Wesley B. Anderson, – Director of Public Works *WBA*
From: David A. Dratnol, P.E. – Village Engineer *DD*
Date: March 28, 2006
Subject: Great Western Trail Pedestrian Bridges
Design Engineering
Project Number M-06-03

The Engineering Division sent a Request for Proposal for design engineering services for the Great Western Trail Pedestrian Bridges project, consisting of above grade crossing structures that will carry the Great Western Trail over Grace Street and the Union Pacific Railroad, to the design firms on the FY05 Roadway Design Short List. Five of the six firms solicited submitted proposals. Bollinger, Lach & Associates, Inc. (BLA), of Oak Brook, was determined to be the most qualified firm for this project, based on work effort and similar experience in pedestrian bridges and railroad dealings. BLA has not performed any design work for the Village; however, they were the design firm from the Fountain Square Development.

The design engineering contract award is a not-to-exceed amount of \$322,099.68 for the design and preparation of construction documents for the Pedestrian Bridges project (Phase I and Phase II engineering). Note that this fee includes a direct cost \$11,240 (not marked-up) for working with the Union Pacific Railroad (UPRR) during the planning stages of this project. The majority of this cost is the UPRR's review of the plans. BLA also included an additional cost of \$6,628.48, in the event that a right-of-way investigation/survey is required. Funding for the engineering of this project will come from both the Village and DuPage County. The Village Capital Project Fund will account for \$222,099.68 of the contract, while DuPage County will fund \$100,000, \$50,000 for Phase I and another \$50,000 for Phase II.

Please present this agreement and resolution to the President and Board of Trustees for their review and approval at their regular meeting on April 6, 2006. If approved, please have both signed copies returned to Engineering for further processing.

cc: File: M-06-03

RESOLUTION

R _____ 06

**A RESOLUTION AUTHORIZING SIGNATURE OF
PRESIDENT AND CLERK ON AN AGREEMENT**

WHEREAS, the Corporate Authorities of the Village of Lombard have received an Agreement between the Village of Lombard, and Bollinger, Lach & Associates, Inc. regarding the Great Western Trail Pedestrian Bridges project as attached hereto and marked Exhibit "A"; and

WHEREAS, the Corporate Authorities deem it to be in the best interest of the Village of Lombard to approve such agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS as follows:

SECTION 1: That the Village President be and hereby is authorized to sign on behalf of the Village of Lombard said agreement as attached hereto.

SECTION 2: That the Village Clerk be and hereby is authorized to attest said agreement as attached hereto.

Adopted this the _____ day of _____, 2006.

Ayes: _____

Nays: _____

Absent: _____

Approved this the _____ day of _____, 2006.

William J. Mueller
Village President

ATTEST:

Brigitte O'Brien
Village Clerk

APPROVAL AS TO FORM:

Thomas P. Bayer
Village Attorney

VILLAGE OF LOMBARD

CONTRACT

CONTRACT DOCUMENT NUMBER M-06-03

This agreement is made this the ____ day of _____, 2006, between and shall be binding upon the Village of Lombard, an Illinois municipal Corporation hereinafter referred to as the "VILLAGE" and Bollinger, Lach & Associates, Inc. hereinafter referred to as the "ENGINEER" and its successors.

Witnessed, that in consideration of the mutual promises of the parties delineated in the contract documents, the ENGINEER agrees to perform the services and the VILLAGE agrees to pay for the following services as set forth in the contract documents:

The design, preparation and delivery of construction documents for the Great Western Trail Pedestrian Bridges project.

1. This contract shall embrace and include all of the applicable contract documents listed below as if attached hereto or repeated herein:
 - a. Great Western Trail Pedestrian Bridges Request for Proposal consisting of the following:
 - i) Cover Sheet
 - ii) Table of Contents
 - iii) General Provisions
 - iv) Special Provisions
 - v) ENGINEER'S Proposal Dated: December 22, 2005
 - vi) Letter from ENGINEER documenting the scope and fee negotiation Dated: January 10, 2006
 - vii) Required Certificates and Signatures and Certificate of Insurance
2. The VILLAGE agrees to pay, and the ENGINEER agrees to accept as full payment for the services, which are the subject matter of this contract in accordance with the General Provisions.
3. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by William J. Mueller, Village President, and the ENGINEER have hereunto set their hands this the _____ day of _____, 2006.

If an individual or partnership, all individual names of each partner shall be signed or if a corporation, an officer duly authorized shall sign here:

Bollinger, Lach & Associates
Print Company Name

Accepted this _____ day of _____, 2006.

Individual or Partnership _____ Corporation _____

By

Position/Title

By

Position/Title

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this the _____ day of _____, 2006.

William J. Mueller, Village President

Attest:

Brigitte O'Brien, Village Clerk

VILLAGE OF LOMBARD
ENGINEER'S CERTIFICATION

_____, having been first duly sworn depose and states as follows:
(Officer or Owner of Company)

_____, having submitted a proposal for:
(Name of Company)

Great Western Trail Pedestrian Bridges Design Engineering to the Village of Lombard, hereby certifies that said ENGINEER:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A) (4).
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
 - a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the approve Revenue Act; or
 - b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that _____
(Name of employee/driver or "all employee drivers")
is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules.

By: _____
Authorized Agent of ENGINEER

Subscribed and sworn to
before me this the _____
day of _____, 2006.

Notary Public



Village of Lombard
Great Western Trail Pedestrian Bridges
Contract Document Number M-06-03

MINUTES OF SCOPE AND NEGOTIATIONS MEETING

Meeting Date: Thursday, January 5, 2006
Time: 9:30 AM
Place: Village of Lombard
From: Kevin Bollinger

Participants:

Mr. Dave Dratnol	Village of Lombard	630-620-5740
Mr. Nick Hatfield	Village of Lombard	630-620-5980
Mr. Wesley Anderson	Village of Lombard	630-620-5740
Mr. Craig Lukowicz	Bollinger, Lach and Associates, Inc.	630-990-1385
Mr. Joel Ihde	Bollinger, Lach and Associates, Inc.	630-990-1385
Mr. Kevin Bollinger	Bollinger, Lach and Associates, Inc.	630-990-1385

Discussion:

The meeting was conducted to negotiate work effort and scope of the project with respect to the Project Development Report (PDR), and the Final Plans, Specifications and Estimates (PS&E). The final work effort sheets from BLA and its sub-consultants are attached at the end of the minutes.

The formal consultant submittal package to the Village of Lombard shall include BLA's response to the original RFQ, BLA's Great Western Trail Proposal, and the minutes of meeting held January 5, 2006, work effort, and standard Village contract documents. The minutes of the meeting need to be emailed to the Village by Monday January 9, 2006, and the final consultant contract package should be submitted by January 11, 2006.

In addition to the work effort outlined in the original proposal, the work effort for the project also needs to include man-hours for additional tasks that can be summarized as follows:

1. Landscaping concepts and plans from DLK
2. A presentation to the Village Board
3. Shop Drawing Review of the Bridge Prefabrication Only
4. ROW review (does not include any boundary work or surveys)
5. Retaining Wall Concepts and Plans
6. Soil Boring Layout and Location

The landscaping plans prepared by DLK shall be limited to low maintenance landscaping items. At this time there will be no architectural work effort from DLK.

All sub-consultants need to provide a work effort table that includes a direct labor multiple with a not to exceed fee.

Direct Costs should include a Right-of-Entry Permit, and Railroad Flagger. BLA should try to have the surveyors and soils consultant (TSC) within the railroad ROW on the same day. BLA will indicate to TSC where the soil borings shall be taken for the bridge and potential retaining wall.

The ROW will be illustrated in the PDR and PS&E only based upon information collected from DuPage County. This may include reviewing existing Right-of-Way plats or valuation maps from the original railroad. The work effort to purchase additional ROW is not included in this scope of work.

Alternative trail alignments and bridge concepts will be reviewed in the PDR phase of the project. The construction costs for each bridge concept and alignment or a combination of the two elements shall be reviewed with the Village for final approval prior to final PS&E. One of the alternatives shall include the evaluation of a cable-stayed bridge.

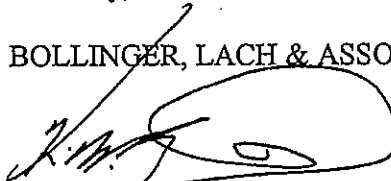
All lines of communication will be thru Nick Hatfield.

There are approximately 90 to 120 trains a day that operate within the Union Pacific Railroad (UPRR) right-of-way. BLA should investigate the UPRR review fees for the PDR and PS&E and UPRR requirements to construct the pedestrian over their track.

The above constitutes my understanding of the discussions and decisions reached during this meeting. If there are any corrections, deletions, or additions, please contact the undersigned immediately.

Sincerely,

BOLLINGER, LACH & ASSOCIATES, INC.



Kevin Bollinger, P.E.
Vice President

PHASE I DESIGN
VILLAGE OF LOMBARD
GREAT WESTERN TRAIL PEDESTRIAN BRIDGES
Bollinger, Lach & Associates, Inc.

1/8/06

Personnel & Hours

	Principal	Proj. Mgr.	Sr. Eng.	Des. Eng.	Sr. Str. Eng.	CADD	Chief Surv.	Pjt. Surv.	Party Chief	Inst. Man	Total Hours	% of Hours	Total	
													Cost	Cost
Rate	\$67.50	\$41.58	\$34.03	\$26.12	\$43.89	\$26.05	\$40.87	\$34.05	\$23.99	\$19.48	40	2.7	\$1,203.00	
Collection	-	-	20	-	-	-	-	-	-	-	20	1.4	\$521.00	
Mosaics	-	-	-	-	-	20	8	32	32	32	104	7.1	\$2,807.60	
Survey	-	-	-	-	-	-	-	-	-	-	80	5.5	\$2,406.00	
Environmental Data *	-	-	40	40	-	-	-	-	-	-	160	10.9	\$5,215.80	
Drainage Analysis	10	20	40	50	-	40	-	-	-	-	120	8.2	\$4,016.40	
Alternata Geo. Studies	10	10	40	20	-	40	-	-	-	-	180	12.3	\$6,619.40	
Prof. Dev. Report (Prelim)	20	40	60	20	-	40	-	-	-	-	32	2.2	\$1,745.28	
Public Involvement	16	16	-	-	-	-	-	-	-	-	80	5.5	\$3,048.50	
Prof. Report (Final)	10	20	30	-	-	20	-	-	-	-	32	2.2	\$1,952.64	
Admin	24	8	-	-	-	-	-	-	-	-	20	1.4	\$1,090.80	
QA/QC	10	10	-	75	75	90	-	-	-	-	240	16.4	\$7,602.75	
TS&L (3 Total)	-	-	6	-	-	10	-	-	-	-	22	1.5	\$714.16	
Exhibits & Presentation to Board	-	-	14	14	28	-	-	-	-	-	56	3.8	\$2,073.82	
Preliminary Retaining Wall Study (3 Total)	-	-	-	-	-	-	-	24	24	24	72	4.8	(\$1,860.48)	
Survey ROW (Option A)**	-	-	-	-	-	64	-	64	64	64	256	17.5	\$6,628.48	
Survey ROW (Option B)**	-	-	-	-	-	-	-	4	6	8	20	1.4	\$483.96	
Survey (Locate Soil Borings)	-	-	-	-	-	-	8	100	104	104	1462	100.0	\$48,129.59	
Subtotal	100	130	250	239	103	324	8	100	104	104	1462	100.0	\$48,129.59	
% of Hours	6.8	8.9	17.1	16.3	7.0	22.2	0.5	6.8	7.1	7.1	-	-	\$48,129.59	
Total Cost	\$6,750.00	\$5,405.40	\$8,507.50	\$6,242.68	\$4,530.97	\$8,440.20	\$326.96	\$3,405.00	\$2,494.98	\$2,025.92	-	-	\$120,323.88	
Multiplier 2.5	\$16,875.00	\$13,513.50	\$21,268.75	\$15,606.70	\$11,327.43	\$21,100.50	\$817.40	\$8,512.50	\$6,237.40	\$5,064.80	-	-	\$11,629.00	
Direct Costs	-	-	-	-	-	-	-	-	-	-	-	-	\$2,348.50	
Subcontractor (KAM): Lighting Study and Cost Estimate	-	-	-	-	-	-	-	-	-	-	-	-	\$12,803.00	
Subcontractor (DLK):	-	-	-	-	-	-	-	-	-	-	-	-	\$147,104.48	
TOTAL COST	-	-	-	-	-	-	-	-	-	-	-	-	\$147,104.48	

* Includes: IDOT Wetlands Impact Report
IDOT Environmental Inventory Survey
Wetland Delineation

** Survey ROW Option B used in overall calculation of Personnel & Hours

**PHASE I
VILLAGE OF LOMBARD
GREAT WESTERN TRAIL PEDESTRIAN BRIDGES**

**DIRECT COSTS
Bollinger, Lach & Associates, Inc.
January 9, 2006**

SURVEY

2 Full size sheets x \$1.00 x 2 sets	= \$ 5.00
<u>Record Documents</u>	<u>= \$150.00</u>
TOTAL	= \$155.00

PREFERRED IMPROVEMENT PLAN

4 meetings x 19 sheets x 0.10/sheet	= \$ 4.00
<u>4 meetings x 6 full size prints x \$1.00</u>	<u>= \$ 24.00</u>
TOTAL	= \$ 28.00

TS&L

3 pages x \$0.10/page x 20 copies	= \$ 6.00
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PDR (Preliminary & Final) (35% Submittal)

50 pages x \$0.10/page x 40 copies	= \$200.00
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UPRR

Flagger: \$700/day x 1 day	= \$700.00
R.O.E. Permit	= \$540.00
<u>Engineering Review</u>	<u>= \$10,000.00</u>
TOTAL	= \$11,240.00

TOTAL DIRECT COSTS = \$11,629.00

PHASE II DESIGN
 VILLAGE OF LOMBARD
 GREAT WESTERN TRAIL PEDESTRIAN BRIDGES
 Bollinger, Lach & Associates, Inc.
 1/9/06

Personnel & Hours

	Principal	Proj. Manager	Sr. Engineer	Design Engineer	Sr. Struct. Eng.	CADD	Total Hours	% of Hours	Total Cost
Rate	\$67.50	\$41.58	\$34.03	\$26.12	\$43.99	\$26.05	609	30.9	\$18,777.63
Preliminary Eng. (65%)	18	61	152	97	-	281	609	30.9	\$18,777.63
Preliminary Eng. (95%)*	8	28	91	65	-	129	321	16.3	\$9,859.22
Final Eng. (100%)	2	5	12	8	-	20	47	2.4	\$1,481.22
Bridge Plans	-	-	73	73	160	204	510	25.9	\$16,743.55
Retaining Wall Plans**	-	-	82	82	54	174	392	19.9	\$11,840.46
Shop Drawing Review (Phase III)	-	-	-	60	30	-	90	4.6	\$2,886.90
Subtotal	28	94	410	385	244	808	1969	100.0	\$61,588.98
% of Hours	1.4	4.8	20.8	19.6	12.4	41.0	-	100.0	-
Total Costs	\$1,890.00	\$3,908.52	\$13,952.30	\$10,056.20	\$10,733.56	\$21,048.40	-	-	\$61,588.98
Multiplier 2.5	\$4,725.00	\$9,771.30	\$34,880.75	\$25,140.50	\$26,833.90	\$52,621.00	-	-	\$153,972.45
Direct Costs	-	-	-	-	-	-	-	-	\$1,738.75
Subcontractor (KAM): Lighting Plans	-	-	-	-	-	-	-	-	\$10,673.00
Subcontractor (DLK): Landscape Design	-	-	-	-	-	-	-	-	\$8,611.00
TOTAL COST	-	-	-	-	-	-	-	-	\$174,995.20

* Includes DuPage County Stormwater Management Submittal

** Assumes use of proprietary soil reinforced modular type walls

**PHASE II
VILLAGE OF LOMBARD
GREAT WESTERN TRAIL PEDESTRIAN BRIDGES**

**DIRECT COSTS
Bollinger, Lach & Associates, Inc.
December 21, 2005**

PRELIMINARY SUBMITTAL (65%)

10 Full size sets x 31 sheets x \$1.00/sheet	= \$310.00
5 Quarter size sets x 31 sheets x \$0.75/sheet	= \$116.25
<u>10 Special Provisions x 50 sheets x \$0.10/sheet</u>	<u>= \$ 50.00</u>
TOTAL	= \$476.25

PREFINAL SUBMITTAL (95%)

10 Full size sets x 31 sheets x \$1.00/sheet	= \$310.00
5 Quarter size sets x 31 sheets x \$0.75/sheet	= \$116.25
<u>10 Special Provisions x 50 sheets x \$0.10/sheet</u>	<u>= \$ 50.00</u>
TOTAL	= \$476.25

FINAL PLANS

1 Full size Mylar x 31 sheets x \$10.00/sheet	= \$310.00
10 Full size sets x 31 sheets x \$1.00/sheet	= \$310.00
5 Quarter size sets x 31 sheets x \$0.75/sheet	= \$116.25
<u>10 Special Provisions x 50 sheets x \$0.10/sheet</u>	<u>= \$ 50.00</u>
TOTAL	= \$786.25

TOTAL DIRECT COSTS = \$1,738.75

**VILLAGE OF LOMBARD
 GREAT WESTERN TRAIL PEDESTRIAN BRIDGES
 Phase II
 Bollinger, Lach & Associates, Inc.
 MANHOURS (1 of 1)
 January 9, 2006**

<u>Item</u>	<u>Sheets</u>	<u>MH/Sheet</u>	<u>Total MH</u>
Cover Sheet	1	16	16
Typical Section	1	20	20
Alignment & Ties, Benchmarks	1	8	8
Notes, Index, List of Standards	1	16	16
Summary	2	24	48
Schedule	1	24	24
Base Sheets	1	20	20
Roadway Plan & Profile	1	20	20
Drainage Plan & Profile	1	20	20
Special Provisions	-	-	24
Cost Estimate	-	-	24
Misc. IDOT Details	6	2	12
Local Details	2	8	16
Pavement Marking & Signing	1	16	16
Landscaping	1	32	32
Erosion Control	1	20	20
Meeting	1	-	80
Drainage Calculations	1	-	60
DEC Permit *	1	-	160
Cross Sections (30 full @ 3.5 MH/xsec.)	1	-	105
Permits (Railroad, NPDES)	1	-	60
Utility Coordination, Permits, Conflicts	1	-	40
Soil Profile and Coordination	1	8	8
QA/QC @ 40 MH/Submittal	-	-	120
Structural (Bridge & Retaining Walls)	21	-	902
TOTAL	49	-	1871

* Includes Environmental Services with respect to the DuPage County Stormwater Management Submittal.



Project Name: Lombard Great Western Trail

CECS										
Item	Number of Hours	Base Hour Rate	Direct Labor (DL)	Overhead (OH) 150.00%	Subtotal (DL) + (OH)	Private Profit (DL)+(OH) 10%	DLK Total	% of Grand Total	Reimbursables	Service by Others
Phase I: Preadesign										
Principal	8	\$ 60.00	\$ 480.00	\$ 720.00	\$ 1,200.00	\$ 120.00	\$ 1,320.00	6.3%	\$ 40	0
A Cad Operator	16	\$ 30.00	\$ 480.00	\$ 720.00	\$ 1,200.00	\$ 120.00	\$ 1,320.00	6.3%	\$ 40	0
Project Manager	60	\$ 30.00	\$ 1,800.00	\$ 2,700.00	\$ 4,500.00	\$ 450.00	\$ 4,950.00	23.8%	\$ 149	0
LA Architect 2	88	\$ 20.00	\$ 1,760.00	\$ 2,640.00	\$ 4,400.00	\$ 440.00	\$ 4,840.00	23.3%	\$ 145	0
Subtotal Phase I	172		\$ 4,520.00	\$ 6,780.00	\$ 11,300.00	\$ 1,130.00	\$ 12,430.00	59.8%	\$ 373	0
Phase II: Construction Docs										
Principal	6	\$ 60.00	\$ 360.00	\$ 540.00	\$ 900.00	\$ 90.00	\$ 990.00	4.8%	\$ 30	0
Project Manager	44	\$ 30.00	\$ 1,320.00	\$ 1,980.00	\$ 3,300.00	\$ 330.00	\$ 3,630.00	17.5%	\$ 109	0
LA Architect 2	68	\$ 20.00	\$ 1,360.00	\$ 2,040.00	\$ 3,400.00	\$ 340.00	\$ 3,740.00	18.0%	\$ 112	0
Subtotal Phase II	118		\$ 3,040.00	\$ 4,560.00	\$ 7,600.00	\$ 760.00	\$ 8,360.00	40.2%	\$ 251	0
Project Name: Lombard Great Western Train Bridges	Number of Hours		Direct Labor (DL)	Overhead (OH)	Subtotal (DL) + (OH)	Private Profit (DL)+(OH)	DLK Total			Service by Others
TOTALS	290		\$ 7,560.00	\$ 11,340.00	\$ 18,900.00	\$ 1,890.00	\$ 20,790.00	100.0%	\$ 623.70	0

DLK Total \$ 21,414.00



Project Name: Lombard Great Western Trail

Labor Code	ITEM	SHEET/ACTIVITY	Principal	A Cad Operator	Project Manager	LA Architect 2	DLK HOURS
		Phase I: Pre-design					
		Duration: 01/13/06-3/15/06					
	1.1	Site Tour & Existing Conditions	4		4		8
	1.2	Conceptual Layout and Preliminary Budget Estimate			16	24	40
	1.3	Review with DuPage County and Village of Lombard Staff	2		4		6
	1.4	Review with Village of Lombard Staff	2		4		
	1.5	One Schematic Landscape Plan			16	32	48
	1.6	Rendering of Landscape Schematic (Plan and Elevation)		16	8	16	40
	1.7	Materials Exhibit (One Board)			8	16	24
	1.8	SUBTOTAL PHASE I ACTIVITIES:	8	16	60	88	166

Labor Code	ITEM	SHEET/ACTIVITY	Principal	A Cad Operator	Project Manager	LA Architect 2	HOURS
		Phase II: Construction Docs					
		Duration: 04/01/06 - 06/01/06					
	2.1	Landscape Plan	2		16	32	50
	2.2	Summary of Quantities			8	8	16
	2.3	Specifications for Incorporation by BLA			8	12	20
	2.4	QA/QC Review Procedure	4		8	12	24
	2.5	Plan Submittal			4	4	
	2.6	SUBTOTAL PHASE II ACTIVITIES:	6		44	68	110
		TOTALS:	14	16	104	156	

DLK Civic Design proposes to provide landscape architectural services for the proposed bridge of the Great Western Trail in Lombard. The bridge is proposed to span Grace Street, the UPRR tracks and St. Charles Road. The landscape strategies are significant for their potential to complement the bridge aesthetically, and in the words of the *Evaluation and Recommendations*, to emphasize the importance of the Great Western Trail to the Village of Lombard and the persons who will use it.

From DLK's initial review of the site and familiarity with the trail, a natural appearance, manifested through the use of native trees, shrubs and perennials, accompanied by native grasses for a no-mow maintenance factor will be a likely objective. The plantings will be chosen for a visual four-season interest and tolerance of salt, drought, reflected heat and the ability to stabilize slopes and thrive in the lesser soil qualities expected in a former railroad embankment. Plant materials will provide habitat and sustenance for birds and pollinators.

Adjacent to the roadways, a more ordered arrangement would be evident, where the tree types (shade, ornamental and evergreen) will be accompanied by massings of shrubs and perennials. The approach will be similar at both roadway locations, however, the "gateway" aspect of the bridge treatments at St. Charles Road will be critical. Village of Lombard staff will be involved in the review and approval of the designs for both locations, with special focus on the appropriateness of the gateway response. The response envisioned in this proposal is purely horticultural. If the Village of Lombard wants to pursue hardscape and signage opportunities, the Design Team will prepare an amendment to the agreement for supplemental services to address an expanded scope.

DLK will prepare Conceptual Landscape Design for both portions of the proposed bridge and the trailhead areas. The initial efforts will be based on a site visit accompanied by Staff from the Village of Lombard and the DuPage County Division of Transportation. During the site visit, members of DLK and Staff will discuss and field sketch opportunities and objectives, which will guide the design response. DLK will prepare hand-generated sketches of both locations with preliminary budget estimates for review and approval by the Staff from the Village of Lombard and the DuPage County Division of Transportation. Approval of the hand-generated sketches will mark the completion of Conceptual Landscape Design.

DLK will then prepare a Schematic Landscape Plan. The plan will be digitally prepared in AutoCAD and include a preliminary plant list, details and outline specification. The preliminary budget estimate from the Conceptual Landscape Design will be refined. Plan, elevation and section renderings for both portions of the proposed bridge will be developed and presented in one meeting coordinated by the Prime Consultant, Bollinger Lach. DLK will take note of comments received by Staff for incorporation into the next phase of the development of the landscape plan.

After the presentation of the Schematic Landscape Design, DLK will prepare Landscape Construction Documents including plans, specifications and estimate of probable cost. The plans will be prepared at a scale of 1" = 20' with enlarged detail views likely at the trailheads and adjacent to the roadways. Submittal of the plans, specifications and estimate of probable cost to the prime Consultant will constitute the completion of services to be furnished by DLK Civic Design for this project.