Division of Transportation

LakeCounty

Martin G. Buehler, P.E.
Director of Transportation/County Engineer

600 West Winchester Road
Libertyville, Illinois 60048-1381
Phone 847 377 7400
Fax 847 362 5290

Skokie Valley Bike Path (Laurel Ave to IL Rte 176): Change Order No. 5

TO: Public Works and Transportation Committee
Financial & Administrative Committee

FROM: Martin G. Buehler
County Engineer

Committee Action Meeting Date
DATE: January 7, 2009
DATE: January 7, 2009

SUBJECT: Change Order No. 5
Section No. 94-00241-00-BT
V3 Construction, Woodridge, IL

Agenda Item:

Joint Committee action memo approving IDOT Change Order No. 5 in the amount of $325,321.52 for required revisions to the contract for the Skokie Valley Bike Path from Laurel Ave in Lake Forest to the North Shore Bike Path at IL Rte 176 in Lake Bluff including an underpass beneath the Union Pacific Railroad.

- Skokie Valley Bike Path (Laurel Ave to IL Rte 176): Change Order No. 5
- This bike path is being built, by agreement, on ComEd and Union Pacific Railroad (UP RR) property.
- Change orders are needed to be approved by the standing committees for cumulative net increases over 10%.
- Construction costs increased due to unexpected length of time for the required Com Ed and Union Pacific Railroad review of plans and work methods.
- Alignment changes during construction were made to address the requirements of Com Ed and to address concerns raised by Lake Forest Open Lands.
- Winter installation of the tunnel crossing under UP RR tracks has increased the construction costs.
- Change Order # 5 totals $325,321.52.

ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval
of Change in Plans

Date: 11/24/2008

Request: 5

To: Department of Transportation
LCDOT/SCHAUMBURG

I recommend that a(n) addition/deduction be made to the above contract.

The estimated quantities are shown below and the contractor agrees to furnish the materials and do the work at the contract unit prices.

Local Agency: Lake County

Name: Skokie Valley Bike Path

Section: 94-00241-00-BT

Contractor: V3 Construction
Address:

Contract Amount: $2,155,250.00

P/O No.:

Item #	Description	Unit	Changed Quantity	Unit Price	Additions	Deductions
2	Box Culvert End Section, Culvert No. 1	EACH	1.00	$3,500.00	$3,500.00	$0.00
11	Seed, Fertilize, and Mulch, Lake Forest	HA	0.037	$15,000.00	$555.00	$0.00
12	Seeding, Class 4B (Table 1)	HA	-0.018	$15,000.00	$0.00	-$270.00
24	Earth Excavation	C.M.	-417.00	$38.00	$0.00	-$15,846.00
25	Removal and Disposal of Unsuitable Material	C.M.	60.00	$57.00	$3,420.00	$0.00
26	Porous Granular Embankment, Special	M. TON	124.80	$25.90	$3,232.32	$0.00
27	Trench Backfill	C.M.	1.075	$239.00	$256.93	$0.00
28	Topsoil, Furnish and Place, 150 MM	S.M.	171.00	$3.25	$555.75	$0.00
30	Erosion Control Blanket	S.M.	118.00	$2.75	$324.50	$0.00
31	Temporary Erosion Control Seeding	KG	7.00	$14.50	$101.50	$0.00
32	Perimeter Erosion Barrier	M	366.00	$9.00	$3,294.00	$0.00
33	Aggregate Base Course, Type A	M. TON	-154.00	$27.20	$0.00	-$4,188.80
35	Bituminous Materials (Prime Coat)	LITER	-621.00	$0.02	$0.00	-$12.42
36	HMA Binder Course, IL-19.0, N50	M. TON	-47.00	$89.00	$0.00	-$4,183.00
37	HMA Surface Course, Mix 'C', N50	M. TON	13.00	$92.50	$1,202.50	$0.00
40	Precast Concrete Box Culvert, 1.2M x 0.6M, (M273)	M	-4.00	$1,100.00	$0.00	-$4,400.00
41	Pipe Culverts, Type 1, RCCP, 300 MM	M	6.00	$186.00	$1,116.00	$0.00
43	Precast Reinforced Concrete Flared End Section, 300MM	EACH	1.00	$1,000.00	$1,000.00	$0.00
49	Thermoplastic Pavement Marking - Line 100 MM	M	9.00	$4.50	$40.50	$0.00
52	Inlet Protection, Special	EACH	4.00	$125.00	$500.00	$0.00
53	Engineer's Field Office, Type A (Modified)	EACH	8.00	$2,196.00	$17,568.00	$0.00
701	Delays Allowance	$	133190.38	$1.00	$133,190.38	$0.00
702	Winter Costs Allowance	$	126688.02	$1.00	$126,688.02	$0.00
703	Lake Forest Open Lands Sod Relocation	$	3,497.00	$1.00	$3,497.00	$0.00
506	Storm Sewer, Ty 2, RCCP, Class III, 600MM	M	107.00	$215.00	$23,005.00	$0.00
507	Precast Reinforced Concrete Flared End Section, 600MM	EACH	4.00	$1,300.00	$5,200.00	$0.00
508	Manholes, Type A, 1.5M Diameter, T1F CL	EACH	1.00	$5,000.00	$5,000.00	$0.00
509	Trench Backfill, Revised	C.M.	199.73	$95.00	$18,974.35	$0.00
				TOTALS	$354,221.74	-$28,900.22

NET CHANGE	$325,321.52	$0.00

Net ADDITION/DEDUCTION change to date $537,810.18 which is 24.953 % of the contract price

State fully the nature and reason for change:

Due to requirements by Com Ed and Lake Forest Open Lands Association, revisions to the contract document were required. These revisions resulted in the change of quantities shown here. The revisions also included the addition of three new pay items (505, 506, 507) for an additional required drainage system. The process of creating and approving these revisions resulted in a significant delay to the project exceeding the original projected duration. Due to this, the contractor experienced unanticipated cost increases for materials and trucking. The estimated costs for these increases are included in item 701. The project will now take place during the winter season requiring the additional cost of winter protection and other associated cold-weather costs whre the estimate is included in item 702. Item 703 is an estimate of the cost required to relocate protected prarie sod to meet requirements from the Lake Forest Open Lands Association.

When the net increase or decrease in the cost of the contract is $10,000 or more or the time of completion is increased or decreased by 30 days or more, one of the following statements shall be checked.

X The undersigned determined that the circumstances which necessitated this change were not reasonably forseeable at the time the contract was signed.

The undersigned determined that the circumstances which necessitated this change were not within the contemplation of the contract as signed.

The undersigned determined that this change is in the best interest of the local agency and is authorized by law.

Made By _____ Date 12/16/08

Checked By Glenn Petis Date 12/18/08

APPROVED

DEPARTMENT OF TRANSPORTATION

Approved _____

_____

County Engineer
On Behalf of IDOT pursuant to Agreement
of Understanding dated January 22, 2003

Approval
Recommended _____ Date _____
County Engineer

BLR13210
Submit 3 copies of this form to Regional Engineer (4 copies for road district)
updated 8/11/05 maf.

SECTION NO.: Skokie Valley Bike Path
PROJECT: 94-00241-00-BT

CHANGE ORDER SCHEDULE

APPROPRIATED AMOUNT:
AWARDED AMOUNT: $2,155,250.00
FUND(S): MFT, IDNR

CHANGE ORDER NO.	DESCRIPTION	DATE		COST (+/ -)	ACCUMULATIVE COST	%
		SUBMITTED	APPROVED			
1	GeoFabric	04/19/2008	04/25/2008	$1,643.22	$1,643.22	0.076%
2	Undercuts	05/07/2008	05/08/2008	$136,669.15	$138,312.37	6.417%
3	Environmental Assessment	05/12/2008	05/14/2008	$ 9,500.00	$147,812.37	6.858%
4	Com Ed Relocation Fee	08/07/2008	08/08/2008	$ 64,676.29	$212,488.66	9.859%
5	Extras for changes, delays & winter protection	12/18/2008		$ 325,321.52	$537,810.18	24.953%

Estimate for Change Order #5
Skokie Valley Bike Trail
Section 94-00241-00-BT
Lake County Division of Transportation

Item		Plan	Revised	Change	Reason
2	Box Culvert End Section, Culvert No. 1	1	2	1	Plan Revisions
11	Seed, Fertilize, and Mulch, Lake Forest	0.35	0.387	0.037	Plan Revisions
12	Seeding, Class 4B (Table 1)	0.79	0.772	-0.018	Plan Revisions
24	Earth Excavation	7133	6716	-417	Plan Revisions
27	Trench Backfill	0.86	200.805	199.945	Plan Revisions, See Below
28	Topsoil, Furnish and Place, 150 MM	11500	11671	171	Plan Revisions
30	Erosion Control Blanket	681	799	118	Plan Revisions
31	Temporary Erosion Control Seeding	627	634	7	Plan Revisions
32	Perimeter Erosion Barrier	4810	4866	56	Plan Revisions, See Below
33	Aggregate Base Course, Type A	2897	2743	-154	Plan Revisions
35	Bituminous Materials (Prime Coat)	11626	11005	-621	Plan Revisions
36	HMA Binder Course, IL-19.0, N50	883	836	-47	Plan Revisions
37	HMA Surface Course, Mix 'C', N50	869	882	13	Plan Revisions
40	Precast Concrete Box Culvert, 1.2M x 0.6M, (M273)	33.3	29.3	-4	Plan Revisions
41	Pipe Culverts, Type 1, RCCP, 300 MM	7.4	13.4	6	Plan Revisions
43	Precast Reinforced Concrete Flared End Section, 300MM	4	5	1	Plan Revisions
49	Thermoplastic Pavement Marking - Line 100 MM	582	591	9	Plan Revisions
52	Inlet Protection, Special	8	12	4	Plan Revisions
53	Engineer's Field Office, Type A (Modified)	6	14	8	Original contract value lasted from 4/08 to 9/08. Add 8 months for 10/08 to 5/09.

25	Removal and Disposal of Unsuitable Material	Width	5	M	This is required to undercut the area on the west side of the railroad box culvert. A soft layer was encountered while excavating to the subgrade elevation.
		Length	40	M	
		Depth	0.3	M	
		Volume		60	
26	Porous Granular Embankment, Special	Width	5	M	This is required to undercut the area on the west side of the railroad box culvert. A soft layer was encountered while excavating to the subgrade elevation.
		Length	40	M	
		Depth	0.3	M	
		Volume	60	CM	
		Density	2.08	M.Ton/CM	
		Weight		124.8	

32	Perimeter Erosion Barrier				Additional P.E.B. is needed to properly contain the realignment of the trail. Most of the original P.E.B. was installed per plan and additional P.E.B. is required to meet the new configuration.
	New alignment 0+958 to 0+984	90	M		
	New alignment 0+984 to 1+125	140	M		
	New alignment ComEd Drive 0+125 to path 1+375	80	M		
	Original revised quantity	56	M		
	Total			366	

Estimate for Change Order #5
Skokie Valley Bike Trail
Section 94-00241-00-BT
Lake County Division of Transportation

27	Trench Backfill	Plan	Multiplier		Revised quantity exceeds 125% of contract.
		0.86	1.25	1.075	Pay 125% of original quantity at contract value
		Revised			
508	Trench Backfill, Revised	200.805	1.075	199.73	Pay remaining at new unit price.

701	Delays Allowance				See attached for backup
	Dunnet Bay				
	Materials	Cost	6622.99		Escalted materials prices
		Markup	993.4485		15% markup on Labor
		Total	7616.439		
	Subcontractor	Cost	21500		Trucking time increases
			3502.25		Subcontractor material increases
		Markup	525		5% of first $10,000, 1% of remainder
			180		
		Total	25707.25		
	Misc	Cost	23651.28		Management
			220.71		Mobilization permit
			5582.72		One month(11/11-12/8 for Excavator)
			1619.2		One month(11/11-12/8 for Loader)
		Total	31073.91		
	Dunnet Bay total		64397.6		
	V3				
	Misc	Cost	3177.3		Aggregate
			31129.5		Asphalt
			14136		Trucking
			10600		Management
			1206		Remobilization
			2000		Construction Layout
			5500		Vertical Survey
		Total	67748.8		
	Subcontractor	Cost	64397.6		Dunnet Bay
		Markup	1043.98		5% of first $10,000, 1% of remainder
			133190.4		
	Total for Item			**133190.4**	

Estimate for Change Order #5
Skokie Valley Bike Trail
Section 94-00241-00-BT
Lake County Division of Transportation

702 Winter Costs Allowance

See attached for backup

Dunnet Bay				
Misc.	3009.6			Ground Heater
	3767.4			Footing Protection
	588			Pavement Protection
	6025.5			Wall Protection
	7170			CLSM Protection
		20560.5		Total
Equipment	1031.56			Drill Rig
	1837.68			Crane
	6233.85			Excavator
	2200.05			Loader
	580			Trailer
	290			Trailer Mobilization
	2640			Lightplant
		14813.14		Total
Materials	1625			Concrete Winter Additional Cost
	660			CLSM for Shoring
	1300			CLSM for Window
	1560			Accelerator
		5145		Total
		771.75		Markup (15%)
Labor	1560			Ground Heater Labor
	130			Drill Rig Warmup
	390			Crane Warmup
	1462.5			Excavator Warmup
	1462.5			Loader Warmup
	55013.13			Efficiency Loss
		60018.13		Total
		21006.35		Markup (35%)

V3				
Subcontractor	Cost	122314.9		Dunnet Bay
	Markup	1623.15		5% of first $10,000, 1% of remainder
Snow Clearing		4750		Dozer($150.50) Operator ($87.00) @ 20 Hrs

Total for Winter Costs Allowance **128688**

94-00241-00-BT	LAKE	96	3

* SKOKIE VALLEY BIKE PATH

SUMMARY OF QUANTITIES

ITEM NO.	CODE NO.	ITEM	UNIT	QUANTITY	
1	25000775	SELECTIVE MOWING STAKES	EACH	25	
2	54001001	BOX CULVERT END SECTION, CULVERT NO.1	EACH	2	A: 1
3	54001002	BOX CULVERT END SECTION, CULVERT NO.2	EACH	2	
4	54001003	BOX CULVERT END SECTION, CULVERT NO.3	EACH	2	
5	54001004	BOX CULVERT END SECTION, CULVERT NO.4	EACH	2	
6	54001005	BOX CULVERT END SECTION, CULVERT NO.5	EACH	2	
7	60255500	MANHOLES TO BE ADJUSTED	EACH	1	
8	67100100	MOBILIZATION	L SUM	1	
* 9	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	
* 10	LCX20001	GEOGRID REINFORCEMENT MAT	SQ M	1350	
* 11	LCX25001	SEED, FERTILIZE, AND MULCH, LAKE FOREST	HA	0.387	
* 12	LCX25002	SEEDING, CLASS 4B (TABLE 1)	HA	0.772	A: 1
* 13	LCX25003	SEEDING, CLASS 4B (TABLE 2)	HA	0.008	
* 14	LCX42001	PORTLAND CEMENT CONCRETE PAVEMENT (VARIABLE DEPTH-JOINTED)	SQ M	70	
* 15	LCX50201	STRUCTURE EXCAVATION	L SUM	1	
* 16	LCX50301	ARCHITECTURAL FINISH FOR CONCRETE SURFACES	SQ FT	85	
* 17	LCX50901	PICKET HAND RAILING	METER	34	
* 18	LCX54001	PRECAST CONCRETE BOX CULVERT 3.962 M X 3.658 M	METER	14.63	
* 19	LCX54002	CAST-IN-PLACE CONCRETE	CU M	227	
* 20	LCX55301	CONTROLLED DENSITY FILL	L SUM	1	
* 21	LCX60002	CONCRETE COATING	SQ M	326	
* 22	LCX60004	DAMPROOFING	SQ M	87	
* 23	LCX66401	CHAIN LINK GATES, 2.4M X 3.7M DOUBLE (SPECIAL)	EACH	1	
24	M2020010	EARTH EXCAVATION	CU M	6716	A: 1
25	M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	50	
* 26	M2070300	POROUS GRANULAR EMBANKMENT, SPECIAL	M TON	3155	
27	M2080150	TRENCH BACKFILL	CU M	200.808	A: 1
28	M2113150	TOPSOIL FURNISH AND PLACE, 150MM	SQ M	11671	
29	M2500750	MOWING	HA	1	
* 30	M2510630	EROSION CONTROL BLANKET	SQ M	799	
* 31	M2800250	TEMPORARY EROSION CONTROL SEEDING	KG	634	
32	M2800400	PERIMETER EROSION BARRIER	METER	4866	A: 1
33	M3510010	AGGREGATE BASE COURSE, TYPE A	M TON	2743	
34	M4020010	AGGREGATE SURFACE COURSE, TYPE A	M TON	387	
35	M4060100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	11005	
36	M4063080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	M TON	836	A: 1
37	M4063310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	M TON	882	
38	M4812000	PROTECTIVE COAT	SQ M	70	
39	M5080205	REINFORCEMENT BARS, EPOXY COATED	KG	18520	
40	M5402020	PRECAST CONCRETE BOX CULVERT 1.2M X 0.6M (M273)	METER	25.3	
41	M5421205	PIPE CULVERTS, TYPE 1 RCCP 300MM	METER	13.4	A: 1
42	M5421210	PIPE CULVERTS, TYPE 1 RCCP 375MM	METER	3.6	
43	M542E112	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 300MM	EACH	5	A: 1
44	M542E116	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 375MM	EACH	2	
* 45	M5800110	MEMBRANE WATERPROOFING (SPECIAL)	SQ M	252	
* 46	M6640240	CHAIN LINK FENCE, 2.4 METER (SPECIAL)	METER	647	
47	M7200100	SIGN PANEL - TYPE 1	SQ M	2.44	
48	M7290100	METAL POST - TYPE A	METER	34.1	
49	M7800105	THERMOPLASTIC PAVEMENT MARKING - LINE 100MM	METER	591	A: 1
50	M7800125	THERMOPLASTIC PAVEMENT MARKING - LINE 300MM	METER	3	
* 51	MX0331110	STABILIZED CONSTRUCTION ENTRANCE	SQ M	200	
* 52	X2800500	INLET PROTECTION, SPECIAL	EACH	12	A: 1
* 53	X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	6	
* 54	XX002063	LIGHTING SYSTEM COMPLETE	L SUM	1	
* 55	XX002868	TEMPORARY DITCH CHECKS (SPECIAL)	EACH	20	
* 56	XX004878	MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS	L SUM	1	
* 57	XZ1375001	TEMPORARY SHORING	L SUM	1	
* 58	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
59	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	
60	M5503030	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III, 600MM	METER	107	A: 1
61	M542E128	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 600MM	EACH	4	
62	M6021610	MANHOLES, TYPE A, 1.5M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	
63					

* SEE SPECIAL PROVISIONS

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
602401-01	MANHOLE, TYPE A
602701-01	MANHONE STEPS
604001-02	FRAME AND LIDS, TYPE 1
664001-01	CHAIN LINK FENCE
701006-02	OFF-ROAD OPERATIONS 2L, 2W, 4.5M (15') TO 600mm (24") FROM PAVEMENT EDGE
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 4.5 m (15') TO 600mm (24") FROM PAVEMENT EDGE
701106 -01	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5m (15') AWAY
701421-01	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701801-03	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE \ AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	PG 58-22 \ 4% @ Ndes 50
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	PG 58-22 \ 4% @ Ndes 50

A: 1

A: 1 PAY ITEMS ADDED

B: 1 QUANTITIES REVISIONS PER PLAN REVISIONS

C: 1 HIGHWAY STANDARDS ADDED

Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400

Account Number
12-07-0024-1
Dates 01-16-08

DESIGNED: L.F.S. | CHECKED: S.M.M. | DRAWING: W.J.S.

SUMMARY OF QUANTITIES

SECTION 94-00241-00-BT
LAKE COUNTY
SKOKIE VALLEY BIKE PATH

1 REVISED 6/18/08 LFS WJS

DATE: 06-Jun-08 12:14
FILE: P:\12\12070024\Cad\Phase II\SUM0.DGN

visio the vision
vertere to transform
virtute with excellence

December 16, 2008

Alfred Benesch and Company
Mr. Mark Molnar
205 N. Michigan Ave, Suite 2400
Chicago, IL 60601

Re: Skokie Valley Bike Path
Adjusted Trench Backfill Unit Price

Dear Mr. Molnar:

Per your request, the following is our adjusted unit price for trench backfill to be used for the revised contract quantity:

308)

Trench Backfill 199.73 CM @ $95.00 / CM = $18,974.35

While we are not contractually obligated to renegotiate the original unit price for this increased quantity, we are fully aware that there already have been and will continue to be numerous changes to this project. Please accept this revised unit price as our good faith effort toward ensuring that the project costs are equitable to all parties.

Sincerely,

V3 Construction Group

Keith C. Butkus, P.E.
Senior Project Manager

V3 CONSTRUCTION GROUP LTD. • 7325 JANES AVENUE, WOODRIDGE, IL 60517 • PH: 630.724.9200 • FX: 630.724.9302 • V3CO.COM
CHICAGO • DENVER • PHOENIX

visio
vertere
virtute

November 20, 2008

Alfred Benesch and Company
Mr. Mark Molnar
205 N. Michigan Ave, Suite 2400
Chicago, IL 60601

Re: Skokie Valley Bike Path
Increased Construction Costs

Dear Mr. Molnar:

Per your request, attached is a summary of anticipated additional costs for the project due to delays resulting from occurrences beyond our control. Also attached is current back-up information where applicable at this time. Please be aware that since we do not know when work will actually be allowed to commence, we view this exercise as an aide in helping to establish a contingency to be used to fund extra costs resulting from the long project delay. Additional and/or updated back-up information will be provided with real time costs when it is known when the individual items will be performed.

All of the attached costs do not include increases for labor. Should this project extend beyond May 31, 2009, labor increases as established by union agreements will apply.

We look forward to meeting with you on November 24th to discuss the attached information and help to establish the contingency budget to be able to complete the project.

Sincerely,

V3 Construction Group

Keith C. Butkus, P.E.
Senior Project Manager

P:\Civil Project\2008\CG08005 Skokie Valley Bike Path\Correspondence\Mr. Mark Molnar - Inreased Costs - 11-20-08 - chad's revision.doc

701)

ADDITIONAL PROJECT MANAGEMENT TIME - V3	
Sr Project Manager	$ 165.00
Hours	40
Project Engineer	$ 100.00
Hours	40
Lump Sum Cost	**$10,600.00**

701)

REMOBILIZATION - V3 (Excavator & Dozer)	
Lowboy Cost (Per Hour)	$ 150.75
Hours	8
Lump Sum Cost	**$ 1,206.00**

701)

CONSTRUCTION LAYOUT (Office & Field for Plan Revision)	
Project Surveyor III (Per Hour)	$ 100.00
Hours	8
Field Crew (Per Hour)	$ 150.00
Hours	8
Lump Sum Cost	**$ 2,000.00**

703)

NATIVE SOD REPLACEMENT	
Laborer	$ 72.00
Hours	16
Cat 304 Excavator	$ 122.25
Hours	8
Foreman w/ Truck	$ 95.50
Hours	8
Lowboy	$ 150.75
Hours	4
Lump Sum Cost	**$ 3,497.00**

701)

AGGREGATE (Per Ton FOB)		
Estimated Tons		6,052
Estimated Increasse in Cost per Ton	$	0.50
Cost	$	3,026.00
V3 Mark-up (First $10K)	$	151.30
V3 Mark-up (Remainder)	$	-
Total Estimated Cost	$	**3,177.30**

ACTUAL UNIT COST TO BE ESTABLISHED AT TIME OF INSTALLATION

701)

ASPHALT		
Estimated Binder Tons		883
Estimated Increasse in Cost per Ton	$	16.25
Estimated Surface Tons		869
Estimated Increasse in Cost per Ton	$	18.50
Cost	$	30,425.25
V3 Mark-up (First $10K)	$	500.00
V3 Mark-up (Remainder)	$	204.25
Total Estimated Cost	$	**31,129.50**

ACTUAL UNIT COST TO BE ESTABLISHED AT TIME OF INSTALLATION

ACTUAL UNIT COST TO BE ESTABLISHED AT TIME OF INSTALLATION

701)

TRUCKING (Excavation hauling, topsoil hauling, aggregate hauling)		
Additional Trucking Cost (Per Hour)	$	8.00
Estimated Remaining Trucking Hours		1,700
Cost	$	13,600.00
V3 Mark-up (First $10K)	$	500.00
V3 Mark-up (Remainder)	$	36.00
Total Estimated Cost	$	**14,136.00**

ACTUAL UNIT COST TO BE ESTABLISHED AT TIME OF INSTALLATION

505)

506)

507)

ADDITIONAL UNIT PRICES - V3	
600MM CL III Pipe (Per Meter)	$ 215.00
Estimated Quantity (Meter)	107
Cost	**$23,005.00**
600MM FES (Per Each)	$ 1,300.00
Estimated Quantity (Each)	4
Cost	**$ 5,200.00**
1.5M Manhole (Per Each)	$ 5,000.00
Estimated Quantity (Each)	1
Cost	**$ 5,000.00**

V3 COMPANIES of ILLINOIS, LTD.
BILLING RATE SCHEDULE

(Rates effective January 1, 2008 through December 31, 2008)

Description	Hourly Rate
Principal	200.00
Division Director	200.00
Senior Entitlement Manager	200.00
Senior Earthwork Specialist	200.00
Operations Director	175.00
Senior Project Manager	165.00
Senior Resident Engineer	150.00
Senior Estimator	150.00
Resident Engineer	125.00
Project Manager	125.00
Superintendent	125.00
Senior Technician	100.00
Project Engineer	100.00
Project Surveyor III	100.00
Senior Scientist	100.00
Assistant Resident Engineer	95.00
Resident Technician	95.00
Engineer III	90.00
Scientist III	90.00
Construction Administrator	90.00
Engineer I/II	85.00
Scientist I/II	85.00
Technician III	85.00
Estimating Technician	85.00
Project Surveyor I/II	85.00
Technician I/II	70.00
Administration	60.00
Technician	50.00
Survey Crew*	150.00

*Time is charged portal to portal

V3 CONSTRUCTION GROUP, LTD.
7325 JANES AVENUE
WOODRIDGE, ILLINOIS 60517

8/15/2008

T&M EQUIPMENT RATES

w/ operator

COMPACTORS:

CAT 825 Compactor	$279.75
CAT 815F Compactor	$213.00
CAT CS563D Roller	$167.25
CAT CP563 Compactor	$145.00
CAT 433C Roller	$139.25

HAUL TRUCKS

CAT 740	$240.50
CAT 730	$212.25
J. DEERE 350D (35TN)	$201.00
J. DEERE 400D (40TN)	$232.25

TRUCKING / OTHER

Semi Dump Truck	$112.25
Six-Wheel Tandum Dump	$100.25
Lowboy	$150.75
Water Truck (W/O Water Costs)	$112.25
Tractor W/ Disk	$178.00
CAT G143 Motor Grader	$194.50

LOADERS

CAT 966G Wheel Loader	$185.75
CAT 963C Track Loader	$185.25
CAT 938G Wheel Loader	$150.50
BOBCAT 873 Skidsteer	$140.75
CAT 277 Track Skidsteer	$152.25

DOZERS

CAT D8R	$216.00
CAT D6 LGP	$192.00
CAT D6MXL	$191.00
CAT D5 LGP	$150.50
CAT D5GXLK	$142.75
CAT D5NXL GPS	$254.00
J. DEERE 650J	$151.25
CAT D4GXL	$136.75
CAT D3G	$133.50

EXCAVATORS

CAT 365B	$328.75
CAT 345B	$238.00
J. DEERE 450	$244.25
CAT 325BL	$174.50
J. DEERE 330C	$175.00
CAT 324	$188.25
J. DEERE 200CLC	$172.50
CAT 312C	$135.50
CAT 308C	$123.50
CAT 420D Combination	$136.75
CAT 304 Mini	$122.25

SCRAPERS

CAT 627G	$343.00
J. DEERE 9520 Tractor W/ Pan	$259.00
QUADTRACK (single pan)	$272.75

T&M LABOR RATES

	Straight Time	Overtime	Double Time
Crew Foreman	$95.50	$121.25	$147.25
Machine Operator CL-1	$87.00	$112.25	$137.50
Laborer	$72.00	$93.00	$113.75

DUNNET BAY
CONSTRUCTION
115 N. Brandon Drive, Glendale Heights, IL 60139
Phone: (630) 539-1200 Fax: (630) 539-4171

November 20, 2008

Keith Butkus, P.E.
Senior Project Manager
V3 Companies of Illinois, Ltd.
7325 Janes Ave, Suite 100
Woodridge, IL 60517

RE: Skokie Valley Bike Path
C-3 Additional Costs

Dear Keith,

As you are aware, due to the various issues on this project with ComEd and the Union Pacific Railroad, Dunnet Bay Construction has been unable to work as anticipated and originally scheduled between the dates of June 9, 2008 and September 10, 2008. The delays have dragged our involvement on this project beyond an equitable period of time. Furthermore, it now appears that most of the work will be performed during the winter period.

Upon resolution of these delays, we request an appropriate extension of time and reimbursement for additional costs that Dunnet Bay Construction and its vendors have or will incur due to these delays.

As requested, we are submitting these anticipated additional costs. These include, but are not limited to: labor, material, equipment, and supply escalations, redundant and inefficient supervision costs, standby equipment costs, and costs associated with winter conditions.

The attached breakdown summarizes cost to date based upon: 1) delaying the work, and 2) winter work conditions. Should the project be delayed further, we reserve the right to escalate and account for additional costs as necessary.

Sincerely,
Dunnet Bay Construction

Daniel W. Tschiniak

Daniel Tschiniak
Superintendent

294 Office

DUNNET BAY CONSTRUCTION

Additonal Cost Breakdown

Begin 6/9/2008
End 11/27/2008 *Estimated*

701

	Qty	Unit	UP	Extn	$60,718
DELAYING THE WORK					$60,898.67
Dunnet Bay					
Extended O/H					$23,651.26
Project Management	84	HRS	$104.70	$8,794.80	
Supervision	226	HRS	$65.16	$14,856.46	
Additional Insurance & Bonds	0	%	$0.00	$0.00	
Equipment Moves					$220.71
Expired Permit for Drill Rig	1	LS	$220.71	$220.71	
Idle Equipment					$5,401.44
Liebherr 944 Tracked Excavator (2044)	3.0	WK	$1,395.69	$4,187.04	*Estimated duration*
Volvo L70C (3017)	3.0	WK	$404.80	$1,214.40	*Estimated duration*
Earthwork/Material Handling					$21,500.00
1) Truck Rate Increase	0	HRS	$0.00	$0.00	
2) Addl haul time of spoils to Thelen dump vs I-294 & IL 176	200	HRS	$90.00	$18,000.00	
3) Dump fees for material unsuitable for use in embankment	100	LDS	$35.00	$3,500.00	
Escalation in Cost					$6,622.99
Direct Labor	0	MH	$0.00	$0.00	
Equipment	0	%	$0.00	$0.00	
Material					
Steel Soldier Piles	49,980	LBS	$0.05	$2,499.00	
Concrete	325	CY	$5.00	$1,625.00	
CLSM	260	CY	$5.00	$1,300.00	
Rebar	41,377	LBS	$0.020	$827.54	
Mesh	93.33	SY	$3.98	$371.45	
Aggregate	0	TON	$0.00	$0.00	
Misc Perm Materials	0	LS	$0.00	$0.00	
Lumber, Supplies, etc.	0	LS	$0.00	$0.00	
Subcontractors					
Escalation in Cost					
Direct Labor & Equipment					$3,502.25
Crown Painting (Concrete Coating)	0	%	$0.00	$0.00	
Kirchoffer (Trucking)	0	HRS	$0.00	$0.00	
Injection & Waterproofing Systems, Inc	0	%	$0.00	$0.00	
Midwest Fence (Fence & Guardrail)	0	%	$0.00	$0.00	
Two-In-One (Erect Rebar)	0	%	$0.00	$0.00	
Material					
Crown Painting (Concrete Coating)	0	LS	$0.00	$0.00	
Kirchoffer (Trucking)	0	LS	$0.00	$0.00	
Injection & Waterproofing Systems, Inc	1	LS	$2,502.25	$2,502.25	
Midwest Fence (Fence & Guardrail)	1	LS	$1,000.00	$1,000.00	*Estimated*
Two-In-One (Erect Rebar)	0	LS	$0.00	$0.00	

Addl Cost
Additional Costs

11/20/2008

DUNNET BAY CONSTRUCTION

Additonal Cost Breakdown

Begin 6/9/2008
End 11/27/2008 *Estimated*

	Qty	Unit	UP	Extn	$80,718
702) **WINTER CONDITIONS**					$100,536.77
1) Winter protection of subgrade, subbase, etc. (T & M Basis)					
Ground Heater	120	HRS	$25.08	$3,009.60	*Estimated duration*
Addl Labor	24	HRS	$65.00	$1,560.00	*Estimated duration*
2) Winter protection of concrete (Unit price adjustments)					
Footings @ 7% (Method 1)	92	CM	$40.95	$3,767.40	
Pavement @ 7% (Method 1)	70	SM	$8.40	$588.00	
Walls @ 10% (Method 1)	103	CM	$58.50	$6,025.50	
CLSM @ 15% (Method 2)	1	LS	$7,170.00	$7,170.00	
3) Additional Supplier Cost (Winter)					
Concrete	325	CY	$5.00	$1,625.00	
CLSM for Temp Shoring Installation	132	CY	$5.00	$660.00	
CLSM Backfill (30 hr window)	260	CY	$5.00	$1,300.00	
Accelerator for CLSM (Non-chloride 1%)	260	CY	$6.00	$1,560.00	
4) Equipment warm-up time (Addl 1/2 hr in AM & 1/2 hr thru lunch)					
Drill Rig	4.0	HRS	$257.89	$1,031.56	
Liebherr 855 Crane (1018)	6.0	HRS	$306.28	$1,837.68	
Liebherr 944 Tracked Excavator (2044)	45.0	HRS	$138.53	$6,233.85	
Volvo L70D (3017)	45.0	HRS	$48.89	$2,200.05	
5) Addl Labor for Equipment warm-up time					
Drill Rig	2.0	HRS	$65.00	$130.00	
Liebherr 855 Crane	6.0	HRS	$65.00	$390.00	
Liebherr 944 Tracked Excavator	22.5	HRS	$65.00	$1,462.50	
Volvo L70D	22.5	HRS	$65.00	$1,462.50	
6) Change/Warm-up trailer for employees					
Rental	2	MONTHS	$280.00	$560.00	
Mobe In / Mobe Out	2	EA	$145.00	$290.00	
7) Loss of Efficiency (25%)	2,875.0	HRS	$19.14	$55,013.13	
8) Lightplant for shorter period of daylight	2	MONTHS	$1,320.00	$2,640.00	*Rental Cost*

TOTAL (Delays & Winter Conditions) $181,254.77

EXHIBIT A

Supervision / Management Inefficiency

Supervision / Management Inefficiency due to the various delays attributes to:

1) Change in availability of supervision (3 different Superintendents)
2) Redundant plan and spec review
3) Redundant jobsite visits
4) Redundant planning
5) Redundant meeting attendance
6) Additional time for cost analysis
7) Additional time for Com Ed survey information

	Superintendent 1	Superintendent 2	Superintendent 3	TOTAL
Review of Plans & Specs	40	40		80
Jobsite Visits	24	24		48
Planning	24	24		48
Meetings	8	8	16	32
Addl Cost Analysis			16	16
Addl ComEd Survey Info			4	4
TOTAL	96	96	36	228

	Project Manager
Planning	40
Meetings	40
Addl Cost Analysis	4
TOTAL	84

EXHIBIT B

Workday Inefficiency due to Winter Period

Workday Inefficiency in the winter period attributes to:

1) Extra Inefficiency due to slower starting and longer finishing of a day, longer breaks/lunches, and extra warmup breaks
2) Slower rate of work production

1) Extra Inefficiency

Extra Inefficiency	Duration
Slow Startup AM	15 min
Longer Coffee Break	10 min
Addl Warm-up Break	25 min
Longer Lunch	10 min
Addl Warm-up Break	25 min
Addl to End Day PM	15 min
TOTAL	100 min

Normal Duration of Workday 8 hrs OR 480 min

% Extra Inefficiency (100 min / 480 min) 21%

2) Slower Rate of Production

% Slower Rate of Production (Estimated) 4%

TOTAL INEFFICIENCY DUE TO WINTER PERIOD	**25%**

EXHIBIT C

IDLE / STANDBY EQUIPMENT RATES

Equipment has been required on the jobsite and made available for work and is sitting idle due to the various delays

1) 2005 Liebherr R944B hdsl Hyd. Excavator: 241 HP **(Idle since end of day Tues 11/11/08)**
2) 2000 L70D Loader: 130HP **(Idle since end of day Tues 11/11/08)**

	HR	DAY	WEEK	MONTH
1) 2005 Liebherr R944B hdsl Hyd. Excavator: 241 HP	$ 31.72	$ 253.76	$ 1,395.68	$ 5,582.72
2) 2000 L70D Loader: 130HP	$ 9.20	$ 73.60	$ 404.80	$ 1,619.20