

Rieth Riley Construction Co.  
Cumberland Avenue Reconstruction, PH 2

**Cumberland Avenue Reconstruction  
PH 2  
CHANGE ORDER NO. 2**

Original Contract:	\$ 3,503,342.25
Change Order No. 1	<u>+ 140,726.53</u>
	\$ 3,644,068.78
Change Order No. 2	<u>- 77,242.51</u>
	\$ 3,566,826.27

Approved at a meeting of the West Lafayette Redevelopment Commission held on Wednesday, June 20, 2012 at the West Lafayette City Hall, 609 West Navajo St., West Lafayette, Indiana 47906.

**WEST LAFAYETTE REDEVELOPMENT COMMISSION**

BY: \_\_\_\_\_  
Lawrence T. Oates, President

**Attest:**

\_\_\_\_\_  
Linda M. Sorensen, Secretary

Change Order

PROJECT: <i>(Name and address)</i>	Cumberland Ave Reconstruction PH 2 City of West Lafayette 609 W. Navajo Street West Lafayette, IN 47906	CHANGE ORDER NUMBER: DATE: ARCHITECT'S PROJECT NUMBER:	002 June 12, 2012 5954.005	OWNER <input type="checkbox"/> ARCHITECT <input checked="" type="checkbox"/> CONTRACTOR <input type="checkbox"/>
TO CONTRACTOR: <i>(Name and address)</i>	Rieth Riley Construction Co. 3425 O'Farrell Road Lafayette, IN 47909	CONTRACT DATE:	Dec 21, 2011	FIELD <input type="checkbox"/>

THE CONTRACT IS CHANGED AS FOLLOWS:  
*(Include, where applicable, any undisputed amount attributable to previously executed Construction Change Directives.)*

Item #1 - Change Design of Parking Lot Due to Duke Pole Proposed Locations	Add \$ 5,928.44
Item #2 - Change Pavement Design of Parking for Better Cover over Vectren GasLine	Deduct \$ 55,912.51
Item #3 - Animal Guard Changeout Due to Increase in Size of Outlet Pipe Due to IDEM	Add \$ 980.00
Item #4 - Subgrade Treatment Switchout Due to Soil Conditions and Gas Main	Deduct \$ 7,070.02
Item #5 - Credit for BMP's T&M Costs Not Used	Deduct \$ 24,319.54
Item #6 - Grout Repair Existing Structure in Poor Condition	Add \$ 361.31
Item #7 - Rip-Rap for Washout Near North End of Ditch	Add \$ 1,087.15
Item #8 - Replace End Section That Was Buried in Ditch	Add \$ 1,702.66
	Change Order #002 Total \$(77,242.51)

AUTHENTICATION OF THIS ELECTRONICALLY DRAFTED AIA DOCUMENT MAY BE MADE BY USING AIA DOCUMENT D401.

\*Note: Each item is detailed in the attached letter addressed to Mr. Dave Buck dated June 14, 2012.

The original (Contract Sum) was	\$3,503,342.25
The net change by previously authorized Change Orders	\$140,726.53
The (Contract Sum) prior to this Change Order was	\$3,644,068.78
The (Contract Sum) will be (Decreased) by this Change Order in the amount of	\$77,242.51
The new (Contract Sum) including this Change Order will be	\$3,566,826.27

The Contract Time will be (Unchanged) by ( ) days  
The date of Substantial Completion of MOT Phase I as of the date of this Change Order therefore is June 22, 2012.

NOTE: This Change Order does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive for which the cost or time are in dispute as described in Subparagraph 7.3.8 of AIA Document A201.

Not valid until signed by the Architect, Contractor and Owner

The Schneider Corporation  
ARCHITECT *(Typed Name)*

Rieth Riley Construction Co.  
CONTRACTOR *(Typed Name)*

The City of West Lafayette  
OWNER *(Typed Name)*

  
*(Signature)*

  
*(Signature)*

  
*(Signature)*

Shawn Strange, P.E.  
BY

Michael Silver, P.E.  
BY

BY

June 14<sup>th</sup>, 2012  
DATE

6/14/12  
DATE

DATE



1330 Win Hentschel Blvd, Ste. 100 West Lafayette, IN 47906-4156 Phone 765.448.6661 Fax 765.448.6665

June 14, 2012

Mr. David Buck  
City of West Lafayette  
609 West Navajo  
West Lafayette, IN 47906

RE: Cumberland Avenue Reconstruction Phase II  
The Schneider Corporation #5954.003 – Change Order #2

Mr. Buck-

The following narratives are provided for additional information relative to items described for Change Order #001.

**A. Item #1 – Change Design of Parking Lot Due to New Duke Pole Locations**

Duke Energy is placing poles in the 2013 construction year in the Cumberland Avenue Right-of-Way and their proposed locations have only recently been designed and located. After coordination and reviewing CADD drawings from Duke and their consultant, one location in the parking lot next to the football field needed to be redesigned in order to allow Duke enough room to build their pole. This redesign increased the number of inlets and pipes required to drain the location.

**ADD \$ 5,928.44**

**B. Item #2 – Change Pavement Design Due to Vectren Gas Main Depth**

To increase cover over the existing gas main, the pavement design for the parking lot was re-evaluated to see if a thinner section would be possible. The design was changed from heavy duty to medium duty pavement and will work with occasional bus usage which seems to be in line with the assumption that the events at the football field and track facility it serves will be intermittent. The new pavement section will be strong enough to handle the design traffic loading.

**DEDUCT \$55,912.51**

**C. Item #3 – Animal Guard Change-out Due to Increase in Pipe Size of Outlet Pipe for Manchester Street**

IDEM stated for permit approval to work in the ditch north of Manchester Street, the pipe outlet north of the proposed Manchester Roundabout would need to be sumped. Since this area in the pipe will silt in, the pipe size needed to be increased to make up for in drainage capacity. Since the pipe size was increased from 66" to 72" the animal guard was increased in size to cover the new larger outlet hole.

**ADD \$980.00**

**D. Item #4 – Subgrade Treatment Switch-out Due to Poor Soils and Gas Line Depth**

After the existing concrete pavement was removed, the soil conditions dictated that a different subgrade treatment would be necessary in order to operate construction equipment over the soils. The existing treatment of 6" of compacted #53 was replaced with 14" of lime stabilization. Also, the area above the gas main could not be treated in this manner, so alternate forms of subgrade stabilizations were used to treat the area directly above the gas main. They included adding a 6"



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reinforced concrete cap and using a geogrid material with compacted aggregate to protect the main against construction traffic.

**DEDUCT \$7,070.02**

**E. Item # 5 – Credit for BMP Time and Material Not Used**

Change Order #1 included Time and Material Cost estimated for the addition of water quality structures. This estimate was based on a "Not to Exceed" cost. Since the contractor came in well under cost for the labor costs and material costs, the credit was taken in this change order item.

**DEDUCT \$24,319.54**

**F. Item # 6 – Grout Repair Existing Structure in Poor Condition**

After an existing manhole structure was exposed in order to tie into with the proposed pipes from this project, it was determined that it required repair. The existing structure was mortared to repair cracks and make more or less water tight again and structurally sound.

**ADD \$ 361.31**

**G. Item # 7 – Rip-Rap for Washout at North End of Ditch**

During ditch construction certain tree root balls needed to be removed in order to grade the sideslopes of the new ditch. One location that was backfilled became unstable and had to be armored to avoid further erosion. The location was cut back to stable soil, and protected with geotextile and grouted rip-rap.

**ADD \$1,087.15**

**H. Item # 8 – Replace End Section that was Buried in the Ditch**

During ditch construction a pipe was uncovered that used to be protected by a metal end section that has since deteriorated. The existing pipe was cleaned out and a new end section was placed on the pipe outlet to protect against erosion.

**ADD \$1,702.66**

These eight changes to the contract result in a decrease in the contract value of **\$ 77,242.51**. This lowers the total value of the contract to **\$ 3,566,826.27**. Upon review of the provided documentation and field inspections, it is our opinion that the requests for cost change are warranted and accurate of the work to be performed and/or has already been performed. If you have any questions regarding the material presented, please do not hesitate to reach me at 765-237-5248.

Sincerely,

A handwritten signature in black ink, appearing to read 'Shawn H Strange', with a long horizontal line extending to the right.

Shawn H Strange, P.E.  
Project Manager

CO Item # Addendum #6 - CO 2

ITEM #	DESCRIPTION	QUANTITY		UNITS	Difference	Unit Cost	Cost	NOTES
		BEFORE	AFTER					
8	Excavation, Common	13,437	13,180	CYS	-257	\$ 15.61	(4,011.77)	Raised Parking Lot?
11	Temporary Erosion and Sediment Control, Curb Inlet Protection	25	26	EACH	1	\$ 150.00	150.00	New Inlet Due to Duke
16	Structural Backfill, Type 1	1,651	1,680	CYS	29	\$ 20.66	599.14	New Pipe Due to Duke Change
17	Compacted Aggregate, No. 53, Base	4,536	4,383	TON	-153	\$ 21.08	(3,225.24)	Removed where Concrete Cap is Placed
2	Recycled Concrete Aggregate, 3"	2,064	1,970	TON	-94	\$ 25.92	(2,436.48)	Removed where Concrete Cap is Placed
21	HMA Intermediate, Type B	2,339	1,629	TON	-710	\$ 58.64	(40,214.40)	Decreased due to pavement design change order for Vectren
2	HMA Base, Type B	3,743	3,876	TON	133	\$ 50.56	6,724.48	Increased due to pavement Design Change order for Vectren
25	Asphalt for Trac Coat	8.60	7.30	TON	-1.3	\$ 500.00	(650.00)	Decreased due to pavement design change order for Vectren
52	Reinforced Concrete Pipe, 12 in.	1,337	1,406	LFT	69	\$ 32.54	2,245.26	New Pipe Due to Duke Change
61	Animal Guard (66")	4,510	-	LS	-4,510	\$ 1.00	(4,510.00)	
63	Animal Guard (72")	24	25	EACH	1	\$ 1,552.27	1,552.27	
68	Curb Inlet, INDOT Type B	24	25	EACH	1	\$ 857.19	857.19	New Pipe Due to Duke Change
71	INDOT Casting Type 15 Frame & Gate	129	298	LFT	169	\$ 1.94	327.86	New Pipe Due to Duke Change
91	Line, Thermoplastic, Broken, White, 12 in.	5,944	-	TON	-5,944	\$ 31.22	(216,293.68)	Switch Out Subgrade Treatment Due to poor Soil Conditions and Vectren
105	*Subgrade Treatment, 6" Compacted Aggregate #53	1,990	20,178	SYS	20,178	\$ 8.01	161,025.78	Switch Out Subgrade Treatment Due to poor Soil Conditions and Vectren
105A	*Subgrade Treatment (4" Lime modification)	1,990	701	TON	-689	\$ 23.50	(16,191.50)	
106	Coarse Aggregate #8	1,008	1,011	CYS	3	\$ 20.66	61.98	New Pipe Due to Duke Change
111	Granular Backfill	72,262.32	65,716.61	PDOL	-6,545.71	\$ 1.00	(6,545.71)	
5	**129 CO #1 - Str 601, BMP STC 7200	39,812.38	22,038.55	PDOL	-17,773.83	\$ 1.00	(17,773.83)	
5	**130 CO #1 - Str 652, BMP STC 1200 (900)	1,196	1,209	SFT	13	\$ 3.73	48.49	
1	2021 Tennessee River Slicks (Stone)	3,917	3,986	LFT	69	\$ 1.25	86.25	
1	4000 Video Inspection of Pipes	-	1,199	SYS	1,199	\$ 8.37	10,034.70	
4	132 CO #2 - Georgia Triax	-	589	SYS	589	\$ 64.62	38,061.18	
4	133 CO #2 - PCCP Concrete, 6.5"	-	4,092.40	PDOL	4,092.4	\$ 1.00	4,092.40	
2	134 CO #2 - Parking Lot Grade Change STA 39+75 to 42+30	-	361.31	PDOL	361.31	\$ 1.00	361.31	
6	135 CO #2 - Grout Repair Existing Structure	-	1,087.15	PDOL	1,087.15	\$ 1.00	1,087.15	
7	136 CO #2 - Rip Rap for Wash Out near North End of Ditch	-	1,702.66	PDOL	1,702.66	\$ 1.00	1,702.66	
8	137 CO #2 - Replace End Section That Was Buried in Ditch	-	1,702.66	PDOL	1,702.66	\$ 1.00	1,702.66	
	TOTAL						(77,242.51)	

CO #	Change Order Item # to Change Order # Description	Cost	Storm / Road Item
1	Change Design of Parking Lot Due to Duke Pole Locations	\$ 5,928.44	Road Item
2	Change Pavement Design Due to Vectren Gas Location	\$ (55,912.51)	Road Item
3	Animal Guard Changeout due to Increase in size ofoutlet pipe due to IDEM review	\$ 980.00	Storm Item
4	Subgrade Treatment Without Due to Poor Soils and Gas Line	\$ (7,070.02)	Road Item
5	Credit for BMP T&M's Costs Not Used	\$ (24,319.54)	Storm Item
6	Grout Repair Existing Structure in Poor Condition	\$ 361.31	Storm Item
7	Rip Rap for Wash Out near North End of Ditch	\$ 1,087.15	Storm Item
8	Replace End Section That Was Buried in Ditch	\$ 1,702.66	Storm Item
	Check	\$ (77,242.51)	

Contract Calculations  
 Orig Contract \$ 3,503,342.25  
 Prev Contract \$ 140,726.53  
 Prev Contract Amount \$ 3,644,068.78  
 Current Changes \$ (77,242.51)  
 Current Contract Amount \$ 3,566,826.27